

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
137	MT10 DTA/ MT10 DTB	Error 137 QUIT●4 Short circuit DC-OUT 01 FIX01	The cleaning agent metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 01 Metering pump R b) Short circuit on the feed line c) Liquids issued from the metering system can cause damage to the metering pump or daughterboard. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the metering pump for metering the cleaning agent / neutralizer. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect plug X1 from the drawer distributor module. 2. Measure the resistance between contact 4 DCOUT 01 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Check in the metering system in the drawer for leaks. Clean the affected points. Replace the metering pump or daughterboard if required. d) Replace the control electronics.
137	MT10E DTA/ MT10E DTB	A short-circuit was detected on the output of the cleaning agent metering pump (DCOUT1). Please contact technical services.	The cleaning agent metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 01 Cleaning agent metering pump b) Short circuit on the feed line c) Liquids issued from the metering system can cause damage to the metering pump or daughterboard. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the metering pump for metering the cleaning agent / neutralizer. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect plug X1 from the drawer distributor module. 2. Measure the resistance between contact 4 DCOUT 01 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Check in the metering system in the drawer for leaks. Clean the affected points. Replace the metering pump or daughterboard if required d) Replace the control electronics.
139	MT10 DTA/ MT10 DTB	Error 139 QUIT●4 Short DC-OUT11 FIX11	The fan of the display is not functioning correctly.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 11 Display fan b) Short circuit on the feed line c) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the fan for the display. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect the fan connection. 2. Measure the resistance between contact 14 DCOUT 11 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Replace the control electronics.
139	MT10E DTA/ MT10E DTB	A short circuit was detected on the display fan output (DCOUT11). Please contact technical services.	The fan of the display is not functioning correctly.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 11 Display fan b) Short circuit on the feed line c) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the fan for the display. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect the fan connection. 2. Measure the resistance between contact 14 DCOUT 11 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Replace the control electronics.
140	MT10 DTA/ MT10 DTB	Error 140 QUIT●4 Short circuit DC-OUT 12 FIX12	The fan of the diffuser is not functioning correctly.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DC-OUT 12 fan for diffuser b) Short circuit on the feed line c) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the fan for the diffuser. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect the fan connection. 2. Measure the resistance between contact 15 DCOUT 12 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Replace the control electronics.
140	MT10E DTA/ MT10E DTB	A short circuit was detected on the control electronics fan output (DCOUT12). Please contact technical services.	The fan of the diffuser is not functioning correctly.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 12 fan for diffuser b) Short circuit on the feed line c) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the fan for the diffuser. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect the fan connection. 2. Measure the resistance between contact 15 DCOUT 12 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Replace the control electronics.

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141	MT10 DTA/ MT10 DTB	Error 141 QUIT●4 Short circuit DC-OUT 02 FIX02	The neutralizer metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 02 Metering pump N b) Short circuit on the feed line c) Liquids issued from the metering system can cause damage to the metering pump or daughterboard. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the metering pump for metering the cleaning agent / neutralizer. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect plug X1 from the drawer distributor module. 2. Measure the resistance between contact 5 DCOUT 02 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Check in the metering drawer area for leaks. Clean the affected points. Replace the metering pump or daughterboard if required. d) Replace the control electronics.
141	MT10E DTA/ MT10E DTB	A short-circuit was detected on the output of the neutralizer metering pump (DCOUT2). Please contact technical services.	The neutralizer metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 02 Neutralizer metering pump b) Short circuit on the feed line c) Liquids issued from the metering system can cause damage to the metering pump or daughterboard. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the metering pump for metering the cleaning agent / neutralizer. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect plug X1 from the drawer distributor module. 2. Measure the resistance between contact 5 DCOUT 02 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Check in the metering drawer area for leaks. Clean the affected points. Replace the metering hose pump or daughterboard if required. d) Replace the control electronics.
142	MT10 DTA/ MT10 DTB	Error 142 QUIT●4 Short circuit DC-OUT 03 FIX03	The rinse aid metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 03 Metering pump K b) Short circuit on the feed line c) Liquids issued from the metering system can cause damage to the metering pump or daughterboard. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the meterig pump for metering rinse aid. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect plug X1 from the drawer distributor module. 2. Measure the resistance between contact 6 DCOUT 03 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Check in the metering drawer area for leaks. Clean the affected points. Replace the metering pump or daughterboard if required. d) Replace the control electronics.
142	MT10E DTA/ MT10E DTB	A short-circuit was detected on the output of the rinse aid metering pump (DCOUT3). Please contact technical services.	The rinse aid metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 03 Rinse aid metering pump b) Short circuit on the feed line c) Liquids issued from the metering system can cause damage to the metering pump or daughterboard. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the metering pump for metering rinse aid. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect plug X1 from the drawer distributor module. 2. Measure the resistance between contact 6 DCOUT 03 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Check in the metering drawer area for leaks. Clean the affected points. Replace the metering pump or daughterboard if required. d) Replace the control electronics.
143	MT10 DTA/ MT10 DTB	Error 143 QUIT●4 Short circuit DC-OUT 04 FIX04	The solenoid valve for the cold water does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 04 SV cold water b) Short circuit on the feed line c) The issue of liquids from the device can damage the micro-switch of the Aqua-Stop in the floor trough and cause a short circuit. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the fan for the diffuser. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect connection SV CW. 2. Measure the resistance between contact 7 DCOUT 04 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Working in the area of the salt container and rinse arm bracket, check the device for leaks. Clean the affected points. Replace the Aqua-Stop micro-switch. d) Replace the control electronics.

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143	MT10E DTA/ MT10E DTB	A short-circuit was detected on the output of the cold water solenoid valve (DCOUT4). Please contact technical services.	The solenoid valve for the cold water does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 04 SV cold water b) Short circuit on the feed line c) The issue of liquids from the device can damage the micro-switch of the Aqua-Stop in the floor trough and cause a short circuit. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace the fan for the diffuser. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect connection SV CW. 2. Measure the resistance between contact 7 DCOUT 04 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Working in the area of the salt container and rinse arm bracket, check the device for leaks. Clean the affected points. Replace the Aqua-Stop micro-switch. d) Replace the control electronics.
144	MT10 DTA/ MT10 DTB	Error 144 QUIT●4 Short circuit DC-OUT 05 FIX05	The solenoid valve for the regeneration does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 05 SV Regener. b) Short circuit on the feed line c) The issue of liquids from the device can damage the micro-switch of the Aqua-Stop in the floor trough and cause a short circuit. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. 1. Replace the 3-way solenoid valve for water inflow. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect connection SV REG. 2. Measure the resistance between contact 8 DCOUT 05 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Working in the area of the salt container and rinse arm bracket, check the device for leaks. Clean the affected points. Replace the Aqua-Stop micro-switch. d) Replace the control electronics.
144	MT10E DTA/ MT10E DTB	A short-circuit was detected on the output of the regeneration solenoid valve (DCOUT5). Please contact technical services.	The solenoid valve for the regeneration does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 05 SV regeneration b) Short circuit on the feed line c) The issue of liquids from the device can damage the micro-switch of the Aqua-Stop in the floor trough and cause a short circuit. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. 1. Replace the 3-way solenoid valve for water inflow. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect connection SV REG. 2. Measure the resistance between contact 8 DCOUT 05 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Working in the area of the salt container and rinse arm bracket, check the device for leaks. Clean the affected points. Replace the Aqua-Stop micro-switch. d) Replace the control electronics.
145	MT10 DTA/ MT10 DTB	Error 145 QUIT●4 Short circuit DC-OUT 06 FIX06	The solenoid valve for the steam condenser does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 06 SV steam condenser b) Short circuit on the feed line c) The issue of liquids from the device can damage the micro-switch of the Aqua-Stop in the floor trough and cause a short circuit. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. 1. Replace the 3-way solenoid valve for water inflow. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect connection SV DK. 2. Measure the resistance between contact 9 DCOUT 06 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Working in the area of the salt container and rinse arm bracket, check the device for leaks. Clean the affected points. Replace the Aqua-Stop micro-switch. d) Replace the control electronics.
145	MT10E DTA/ MT10E DTB	A short-circuit was detected on the output of the steam condenser solenoid valve (DCOUT6). Please contact technical services.	The solenoid valve for the steam condenser does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 06 SV steam condenser b) Short circuit on the feed line c) The issue of liquids from the device can damage the micro-switch of the Aqua-Stop in the floor trough and cause a short circuit. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. 1. Replace the 3-way solenoid valve for water inflow. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect connection SV DK. 2. Measure the resistance between contact 9 DCOUT 06 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Working in the area of the salt container and rinse arm bracket, check the device for leaks. Clean the affected points. Replace the Aqua-Stop micro-switch. d) Replace the control electronics.

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146	MT10 DTA/ MT10 DTB	Error 146 QUIT●4 Short circuit DC-OUT 07 FIX07	The solenoid valve of the DI inflow hose does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 07 SV Aqua-Stop in the DI inflow hose b) Short circuit on the feed line c) The issue of liquids from the device can damage the micro-switch of the Aqua-Stop in the floor trough and cause a short circuit. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the SV Aqua-Stop DI inflow hose. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect connection SV Aqua-Stop DI inflow hose. 2. Measure the resistance between contact 9 DCOUT 07 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Working in the area of the salt container and rinse arm bracket, check the device for leaks. Clean the affected points. Replace the Aqua-Stop micro-switch. d) Replace the control electronics.
146	MT10E DTA/ MT10E DTB	A short-circuit was detected on the output of the solenoid valve DI water Aqua-Stop (DCOUT7). Please contact technical services.	The solenoid valve of the DI inflow hose does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 07 SV Aqua-Stop in the DI inflow hose b) Short circuit on the feed line c) The issue of liquids from the device can damage the micro-switch of the Aqua-Stop in the floor trough and cause a short circuit. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the SV Aqua-Stop DI inflow hose. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect connection SV Aqua-Stop DI inflow hose. 2. Measure the resistance between contact 9 DCOUT 07 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Working in the area of the salt container and rinse arm bracket, check the device for leaks. Clean the affected points. Replace the Aqua-Stop micro-switch. d) Replace the control electronics.
147	MT10 DTA/ MT10 DTB	Error 147 QUIT●4 Short circuit DC-OUT 08 FIX08	The solenoid valve of the cold water inflow hose does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 08 SV Aqua-Stop in the cold water inflow hose b) Short circuit on the feed line c) The issue of liquids from the device can damage the micro-switch of the Aqua-Stop in the floor trough and cause a short circuit. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the SV Aqua-Stop DI inflow hose. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect connection SV Aqua-Stop DI inflow hose. 2. Measure the resistance between contact 9 DCOUT 08 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Working in the area of the salt container and rinse arm bracket, check the device for leaks. Clean the affected points. Replace the Aqua-Stop micro-switch. d) Replace the control electronics.
147	MT10E DTA/ MT10E DTB	A short-circuit was detected on the output of the solenoid valve cold water Aqua-Stop (DCOUT8). Please contact technical services.	The solenoid valve of the cold water inflow hose does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Short circuit DCOUT 08 SV Aqua-Stop in the cold water inflow hose b) Short circuit on the feed line c) The issue of liquids from the device can damage the micro-switch of the Aqua-Stop in the floor trough and cause a short circuit. d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the SV Aqua-Stop DI inflow hose. b) 1. Disconnect the plug X29 DCOUT from the mainboard and disconnect connection SV Aqua-Stop DI inflow hose. 2. Measure the resistance between contact 9 DCOUT 08 and contact 2 DCOUT+/plug X29. Check for short circuit. c) Working in the area of the salt container and rinse arm bracket, check the device for leaks. Clean the affected points. Replace the Aqua-Stop micro-switch. d) Replace the control electronics.
154	MT10 DTA/ MT10 DTB	Error 154 QUIT●4 Sensor AIN1 FIZ01	The temperature difference between the two temperature sensors (temperature control and temperature log) in the washing chamber is too high.	1. Switch off the device and wait approx. 30 min with the door open. 2. Switch on the device and restart the program.	a) Malfunction sensor AIN1 temperature sensor control b) Inadequate contacting c) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the temperature sensor of the washing chamber control on AIN1. b) Check plug X44-AIN1 on the mainboard for its correct position. c) Replace the control electronics.
154	MT10E DTA/ MT10E DTB	A malfunction was detected on the input of the temperature sensor control (AIN1). Please contact technical services.	The temperature difference between the two temperature sensors (temperature control and temperature log) in the washing chamber is too high.	1. Switch off the device and wait approx. 30 min with the door open. 2. Switch on the device and restart the program.	a) Malfunction sensor AIN1 temperature sensor control b) Inadequate contacting c) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the temperature sensor of the washing chamber control on AIN1. b) Check plug X44-AIN1 on the mainboard for its correct position. c) Replace the control electronics.
155	MT10 DTA/ MT10 DTB	Error 155 QUIT●4 Sensor AIN2 FIZ02	The temperature difference between the two temperature sensors (temperature control and temperature log) in the washing chamber is too high.	1. Switch off the device and wait approx. 30 min with the door open. 2. Switch on the device and restart the program.	a) Malfunction sensor AIN2 temperature sensor log b) Inadequate contacting c) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the temperature sensor of the washing chamber log on AIN2. b) Check plug X45-AIN2 on the mainboard for its correct position. c) Replace the control electronics.

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155	MT10E DTA/ MT10E DTB	A malfunction was detected on the input of the temperature sensor log (AIN2). Please contact technical services.	The temperature difference between the two temperature sensors (temperature control and temperature log) in the washing chamber is too high.	1. Switch off the device and wait approx. 30 min with the door open. 2. Switch on the device and restart the program.	a) Malfunction sensor AIN2 temperature sensor log b) Inadequate contacting c) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the temperature sensor of the washing chamber log on AIN2. b) Check plug X45-AIN2 on the mainboard for its correct position. c) Replace the control electronics.
156	MT10 DTA/ MT10 DTB	Error 156 QUIT●4 Sensor AIN3 FIZ03	The temperature sensor for monitoring the drying is not functioning correctly.	1. Switch off the device and wait approx. 30 min with the door open. 2. Switch on the device and restart the program.	a) Malfunction sensor AIN3 temperature sensor drying b) Insufficient contacting c) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the temperature sensor of the washing chamber control on AIN3. b) Check plug X46-AIN3 on the mainboard and cable harness interface connector above the drying heater for its correct position. c) Replace the control electronics.
156	MT10E DTA/ MT10E DTB	A malfunction was detected on the input of the temperature sensor drying (AIN3). Please contact technical services.	The temperature sensor for monitoring the drying is not functioning correctly.	1. Switch off the device and wait approx. 30 min with the door open. 2. Switch on the device and restart the program.	a) Malfunction sensor AIN3 temperature sensor drying b) Insufficient contacting c) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the temperature sensor of the washing chamber control on AIN3. b) Check plug X46-AIN3 on the mainboard and cable harness interface connector above the drying heater for its correct position. c) Replace the control electronics.
159	MT10 DTA/ MT10 DTB	Error 159 QUIT●4 Sensor AIN6 FIZ06	The collection tank pump has not been emptied correctly.	1. Switch the device off and then on again. 2. Start the program again.	Defective float switch on the collection tank sensor AIN6	Replace the collection tank micro-switch.
159	MT10E DTA/ MT10E DTB	A malfunction was detected on the input of the collection tank float switch (AIN6). Please contact technical services.	The collection tank pump has not been emptied correctly.	1. Switch the device off and then on again. 2. Start the program again.	Defective float switch on the collection tank sensor AIN6	Replace the collection tank micro-switch.
160	MT10 DTA/ MT10 DTB	Error 160 QUIT●4 Sensor AIN7 FIZ07	The coarse or fine sieve is soiled.	1. Switch off the device. 2. Clean the coarse and fine sieve, see information in the user manual. 3. Switch on the device and restart the program.	a) Defective sensor AIN7 pressure sensor "level" Level pressure suddenly falls to 0 mbar. Level 0 mbar is interpreted as a defective sensor. b) Insufficient contacting plug sensor or plug from the mainboard. c) A strongly-soiled fine sieve means insufficient flow of water in the pump pit. If the circulation pump starts and the water flow is insufficient, the pump pit will be pumped empty by the circulation pump. d) Outlet hose installed or connected incorrectly, the washing chamber is emptied by the suction effect in the water outlet system e) Air chamber in pump pit is torn. Air escapes from the air chamber. The pressure is falling. f) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) 1. Check that there is no water in the washing chamber and empty it if necessary. 2. Working in the Diagnosis menu > AIN 07, check the level pressure in the pump pit. If this deviates from 0-1 mbar, replace the pressure sensor "level". b) 1. Check that there is no water in the washing chamber and empty it if necessary. 2. Move the lines and plug for the sensor or plug X50-AIN7 from the mainboard a little and observe the display. The level pressure must constantly show 0-1 mbar. Following a sudden alteration check the plug for its correct position, clean the contacts and adjust. c) 1. Working in the Diagnosis menu, open DCOUT 04 SV cold water and DCOUT 08 SV CW Aqua-Stop. Fill 5000 ml water in the washing chamber. 2. Working in the Diagnosis menu, switch to ACOUT 03 circulation pump. The level pressure display must show 14-15 mbar. 3. Start the circulation pump. The level pressure must stabilize at 7-10 mbar. 4. If the level pressure falls to 0 mbar, check the coarse and fine sieves and clean. d) 1. Start a program with MELAview or observe the level pressure of the program in the Status menu. The level and rinse pressure fall quickly to 0 bar after or during the water inflow. 2. Unsuitable installation of the outlet hose, outlet height too low, min. 40 cm. 3. Connection of the outlet hose to an unventilated, insufficiently-dimensioned wastewater system. e) Replace the pump pit f) Replace the control electronics

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160	MT10E DTA/ MT10E DTB	A malfunction was detected on the input of the level pressure sensor (AIN7). Please contact technical services.	The coarse or fine sieve is soiled.	<ol style="list-style-type: none"> 1. Switch off the device. 2. Clean the coarse and fine sieve, see information in the user manual. 3. Switch on the device and restart the program. 	<p>a) Defective sensor AIN7 pressure sensor "level"</p> <p>Level pressure suddenly falls to 0 mbar. Level 0 mbar is interpreted as a defective sensor.</p> <p>b) Insufficient contacting plug sensor or plug from the mainboard.</p> <p>c) A strongly-soiled fine sieve means insufficient flow of water in the pump pit. If the circulation pump starts and the water flow is insufficient, the pump pit will be pumped empty by the circulation pump.</p> <p>d) Outlet hose installed or connected incorrectly, the washing chamber is emptied by the suction effect in the water outlet system</p> <p>e) Air chamber in pump pit is torn. Air escapes from the air chamber. The pressure is falling.</p> <p>f) Control electronics defective</p>	<p>The notification must be deleted from the malfunction memory by switching the device on and then off.</p> <p>a)</p> <ol style="list-style-type: none"> 1. Check that there is no water in the washing chamber and empty it if necessary. 2. Working in the "Diagnosis > AIN 07 Pump pit pressure sensor" menu, check the level pressure in the pump pit. If this deviates from 0-1 mbar, replace the pressure sensor "level". <p>b)</p> <ol style="list-style-type: none"> 1. Check that there is no water in the washing chamber and empty it if necessary. 2. Move the lines and plug for the sensor or plug X50-AIN7 from the mainboard a little and observe the display. The level pressure must constantly show 0-1 mbar. <p>Following a sudden alteration check the plug for its correct position, clean the contacts and adjust.</p> <p>c)</p> <ol style="list-style-type: none"> 1. Working in the Diagnosis menu, open DCOU04 SV cold water and DCOU08 SV Aqua-Stop CW. Fill 5000 ml water in the washing chamber. 2. Working in the Diagnosis menu, switch to ACOUT 03 Circulation pump. The level pressure display must show 14-15 mbar. 3. Start the circulation pump. The level pressure must stabilize at 7-10 mbar. 4. If the level pressure falls to 0 mbar, check the coarse and fine sieves and clean. <p>d)</p> <ol style="list-style-type: none"> 1. Start a program with MELAviView or observe the level pressure of the program in the "Status > Water level" menu. <p>The level and rinse pressure fall quickly to 0 bar after or during the water inflow.</p> <ol style="list-style-type: none"> 2. Unsuitable installation of the outlet hose, outlet height too low, min. 40 cm. 3. Connection of the outlet hose to an unventilated, insufficiently-dimensioned wastewater system. <p>e) Replace the pump pit</p> <p>f) Replace the control electronics</p>
161	MT10 DTA/ MT10 DTB	Error 161 QUIT●4 Sensor AIN8 FIZ08	The washing chamber pressure required for drying has not been reached.	<ol style="list-style-type: none"> 1. Switch the device off and then on again. 2. Start the program again. 	<p>a) Defective sensor AIN8 pressure sensor drying</p> <p>b) Inadequate contacting sensor plug or plug from mainboard</p> <p>c) Defective control electronics</p>	<p>The notification must be deleted from the malfunction memory by switching the device on and then off.</p> <p>a)</p> <ol style="list-style-type: none"> 1. Working in the Diagnosis menu, activate ACOUT 07 Drying fan. 2. Working in the Diagnosis menu, check AIN 08 Drying fan pressure. Good 7-9 mbar. 3. If positive or negative deviations, replace the pressure sensor drying 100 mbar. <p>b)</p> <ol style="list-style-type: none"> 1. Working in the Diagnosis menu, activate ACOUT 07 Drying fan. 2. Working in the Diagnosis menu, check AIN 08 Drying fan pressure. Good 7-9 mbar. 3. Move the lines and plug for the sensor or plug X51-AIN8 from the mainboard a little and observe the display. Must show a constant 7-9 mbar. 4. If positive or negative deviation, replace the pressure sensor cable. <p>c) Replace the control electronics.</p>
161	MT10E DTA/ MT10E DTB	A malfunction was detected on the input of the drying pressure sensor (AIN8). Please contact technical services.	The washing chamber pressure required for drying has not been reached.	<ol style="list-style-type: none"> 1. Switch the device off and then on again. 2. Start the program again. 	<p>a) Defective sensor AIN8 pressure sensor drying</p> <p>b) Inadequate contacting sensor plug or plug from mainboard</p> <p>c) Defective control electronics</p>	<p>The notification must be deleted from the malfunction memory by switching the device on and then off.</p> <p>a)</p> <ol style="list-style-type: none"> 1. Working in the Diagnosis menu, activate ACOUT 07 Drying fan. 2. Working in the Diagnosis menu, check AIN 08 Drying fan pressure. Good 7-9 mbar. 3. If positive or negative deviations, replace the pressure sensor drying 100 mbar. <p>b)</p> <ol style="list-style-type: none"> 1. Working in the Diagnosis menu, activate ACOUT 07 Drying fan. 2. Working in the Diagnosis menu, check AIN 08 Drying fan pressure. Good 7-9 mbar. 3. Move the lines and plug for the sensor or plug X51-AIN8 from the mainboard a little and observe the display. Must show a constant 7-9 mbar. 4. If positive or negative deviation, replace the pressure sensor cable. <p>c) Replace the control electronics.</p>

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162	MT10 DTA/ MT10 DTB	Error 162 QUIT●4 Sensor AIN9 FIZ09	The requisite rinse pressure has not been reached.	1. Switch the device off and then on again. 2. Start the program again.	<p>a) Defective sensor AIN9 pressure sensor rinse pressure b) Inadequate contacting sensor plug or plug from mainboard</p> <p>Rinse pressure suddenly falls to 0 mbar. Rinse pressure 0 mbar is interpreted as a defective sensor.</p> <p>c) Insufficient water flow into the pump pit through a strongly-soiled fine sieve. If the circulation pump starts and the water flow is insufficient, the pump pit will be pumped empty by the circulation pump.</p> <p>d) Circulation pump suddenly without function</p> <p>e) Blockage in the feed line to the lower or upper rinse arm. Blockage in the feed line results in a rinse pressure > 500 mbar. Sensor measuring range 0-500 mbar. Pressure > 500 mbar is interpreted as a defective sensor.</p> <p>f) Control electronics defective</p>	<p>The notification must be deleted from the malfunction memory by switching the device on and then off.</p> <p>a) 1. Working in the Diagnosis menu, check AIN 09 Rinse pressure of the pump pit. Good 0-1 mbar. 2. If positive or negative deviations, replace the pressure sensor rinsing 500 mbar.</p> <p>b) 1. Move the lines and plug for the sensor or plug X52-AIN9 from the mainboard a little and observe the display. Must show a constant 0-1 mbar. 2. If positive or negative deviations, replace the pressure sensor cable.</p> <p>c) 1. Working in the Diagnosis menu, open DCOU04 SV cold water and DCOU08 SV CW Aqua-Stop. Fill 5000 ml water in the washing chamber. 2. Working in the Diagnosis menu, switch to ACOU03 Circulation pump. The level pressure display must show 14-15 mbar. 3. Start the circulation pump. The rinse pressure must stabilize at between 200-400 mbar, level pressure between 7-10 mbar. 4. If the rinse pressure falls to 0 mbar and the level pressure to under 4 mbar, check the coarse and fine sieves and clean.</p> <p>d) 1. Start a program with MELAview rinse pressure and monitor the actuation of ACOU03 circulation pump in the program run. Rinse pressure suddenly falls to 0 mbar. ACOU03 circulation pump not yet actuated. 2. Replace the condenser 5 µF for circulation pump. 3. Replace the circulation pump. e) Check the water lines to the rinse arm brackets for blockage. f) Replace the control electronics.</p>
162	MT10E DTA/ MT10E DTB	A malfunction was detected on the input of the rinsing pressure sensor (AIN9). Please contact technical services.	The requisite rinse pressure has not been reached.	1. Switch the device off and then on again. 2. Start the program again.	<p>a) Defective sensor AIN9 pressure sensor rinse pressure b) Inadequate contacting sensor plug or plug from mainboard</p> <p>Rinse pressure suddenly falls to 0 mbar. Rinse pressure 0 mbar is interpreted as a defective sensor.</p> <p>c) Insufficient water flow into the pump pit through a strongly-soiled fine sieve. If the circulation pump starts and the water flow is insufficient, the pump pit will be pumped empty by the circulation pump.</p> <p>d) Circulation pump suddenly without function</p> <p>e) Blockage in the feed line to the lower or upper rinse arm. Blockage in the feed line results in a rinse pressure > 1000 mbar. Sensor measuring range 0-1000 mbar. Pressure > 1000 mbar is interpreted as a defective sensor.</p> <p>f) Control electronics defective</p>	<p>The notification must be deleted from the malfunction memory by switching the device on and then off.</p> <p>a) 1. Working in the Diagnosis menu, check AIN 09 Rinse pressure of the pump pit. Good 0-1 mbar. 2. If positive or negative deviations, replace the pressure sensor rinsing 1000 mbar.</p> <p>b) 1. Move the lines and plug for the sensor or plug X52-AIN9 from the mainboard a little and observe the display. Must show a constant 0-1 mbar. 2. If positive or negative deviations, replace the pressure sensor cable.</p> <p>c) 1. Working in the Diagnosis menu, open DCOU04 SV cold water and DCOU08 SV CW Aqua-Stop. Fill 7000 ml water in the washing chamber. 2. Working in the Diagnosis menu, switch to ACOU03 Circulation pump. The level pressure display must show 14-15 mbar. 3. Start the circulation pump. The rinse pressure must stabilize at between 700-900 mbar, level pressure approx. 12 mbar. 4. If the rinse pressure falls to 0 mbar and the level pressure to under 4 mbar, check the coarse and fine sieves and clean.</p> <p>d) 1. Start a program with MELAview rinse pressure and monitor the actuation of ACOU03 circulation pump in the program run. Rinse pressure suddenly falls to 0 mbar. ACOU03 circulation pump not yet actuated. 2. Replace the condenser 10 µF for circulation pump. 3. Replace the circulation pump. e) Check the water lines to the rinse arm brackets for blockage. f) Replace the control electronics.</p>

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
163	MT10 DTA/ MT10 DTB	Error 163 QUIT●4 Open output DC-OUT01 FOX01	The cleaning agent metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Interruption of the electrical connection of output DCOUT 01 (cleaning agent metering pump) in the cable harness or inadequate contacting. b) Drawer metering system (DMS) defective c) Metering pump defective e) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) 1. Malfunctions 163, 167, 168 DCOUT 01, 02, 03 occur simultaneously. Check connection contact 9 DCOUT+/plug X1 (DMS) to contact contact 2 DCOUT+/plug X29 (mainboard) and connection contact 5/plug X1 (DMS) transfer cable to contact 4 DCOUT 01/plug X29 (mainboard). 2. Passage determined. Replace the drawer metering system. 3. Interruption detected. Check contacts for correct position in plug. Check the interface connector/interface cable. Replace the interface cable. b) 1. Working in the Diagnosis menu > DCOUT 01 to 03, activate metering pumps R, N, K subsequently and check their function. 2. If none of the pumps can be activated, replace the drawer metering system. 3. One of the pumps is functioning. Disconnect the plug of the pumps from the drawer metering system. 4. Connect plug R to the plug-in of the functioning pump. Activate this output. Check the pump for its function. 5. The pump works on this plug-in, replace the drawer metering system. c) Pump does not work on this plug-in. Replace the metering pump for metering the neutralizer. d) Replace the control electronics.
163	MT10E DTA/ MT10E DTB	A malfunction was detected on the output of the cleaning agent metering pump (DCOUT1). Please contact technical services.	The cleaning agent metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Interruption of the electrical connection of output DCOUT 01 (metering pump cleaning agent) in the cable harness or inadequate contacting. b) Drawer metering system (DMS) defective c) Metering pump defective e) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) 1. Malfunctions 163, 167, 168 DCOUT 01, 02, 03 occur simultaneously. Check connection contact 9 DCOUT+/plug X1 (DMS) to contact contact 2 DCOUT+/plug X29 (mainboard) and connection contact 5/plug X1 (DMS) transfer cable to contact 4 DCOUT 01/plug X29 (mainboard). 2. Passage determined. Replace the drawer metering system. 3. Interruption detected. Check contacts for correct position in plug. Check the interface connector/interface cable. Replace the interface cable. b) 1. Working in the Diagnosis menu > DCOUT 01 to 03, activate metering pumps R, N, K subsequently and check their function. 2. If none of the pumps can be activated, replace the drawer metering system. 3. One of the pumps is functioning. Disconnect the plug of the pumps from the drawer metering system. 4. Connect plug R to the plug-in of the functioning pump. Activate this output. Check the pump for its function. 5. The pump works on this plug-in, replace the drawer metering system. c) Pump does not work on this plug-in. Replace the metering pump for metering the neutralizer. d) Replace the control electronics.
165	MT10 DTA/ MT10 DTB	Error 165 QUIT●4 Open output DC-OUT11 FOX11	The fan of the display is not functioning correctly.	1. Switch the device off and then on again. 2. Start the program again.	a) Interruption of the electrical connection output DCOUT 11 display fan b) Fan defective c) Control electronics defective	a) 1. Check connection contact 14 DCOUT 11/plug X29 mainboard to interface connector ws display fan and connection contact 3 DCOUT+/plug X29 mainboard to interface connector rt display fan. 2. Interruption detected. Check contacts for correct position in plug. Check the interface connector/interface cable. b) If passage is determined during checking of the connection. Replace the display fan. c) Replace the control electronics.
165	MT10E DTA/ MT10E DTB	A malfunction was detected on the display fan output (DCOUT11). Please contact technical services.	The fan of the display is not functioning correctly.	1. Switch the device off and then on again. 2. Start the program again.	a) Interruption of the electrical connection output DCOUT 11 display fan b) Fan defective c) Control electronics defective	a) 1. Check connection contact 14 DCOUT 11/plug X29 mainboard to interface connector ws display fan and connection contact 3 DCOUT+/plug X29 mainboard to interface connector rt display fan. 2. Interruption detected. Check contacts for correct position in plug. Check the interface connector/interface cable. b) If passage is determined during checking of the connection. Replace the display fan. c) Replace the control electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
166	MT10 DTA/ MT10 DTB	Error 166 QUIT●4 Open output DC-OUT12 FOX12	The fan of the diffuser is not functioning correctly.	1. Switch the device off and then on again. 2. Start the program again.	a) Interruption of the electrical connection output DCOUT 12 device fan b) Fan defective c) Control electronics defective	a) 1. Check connection contact 15 DCOUT 12/plug X29 mainboard to interface connector ws device fan and connection contact 3 DCOUT+/plug X29 mainboard to interface connector rt device fan. 2. Interruption detected. Check contacts for correct position in plug. Check the interface connector/interface cable. b) If passage is determined during checking of the connection, replace the device fan. c) Replace the control electronics.
166	MT10E DTA/ MT10E DTB	A malfunction was detected on the control electronics fan output (DCOUT12). Please contact technical services.	The fan of the diffuser is not functioning correctly.	1. Switch the device off and then on again. 2. Start the program again.	a) Interruption of the electrical connection output DCOUT 12 device fan b) Fan defective c) Control electronics defective	a) 1. Check connection contact 15 DCOUT 12/plug X29 mainboard to interface connector ws device fan and connection contact 3 DCOUT+/plug X29 mainboard to interface connector rt device fan. 2. Interruption detected. Check contacts for correct position in plug. Check the interface connector/interface cable. b) If passage is determined during checking of the connection, replace the device fan. c) Replace the control electronics.
167	MT10 DTA/ MT10 DTB	Error 167 QUIT●4 Open output DC-OUT02 FOX02	The neutralizer metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Interruption of the electrical connection of output DCOUT 02 (neutralizer metering pump) in the cable harness or inadequate contacting. b) Drawer metering system (DMS) defective c) Metering pump defective d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) 1. Malfunctions 163, 167, 168 DCOUT 01, 02, 03 occur simultaneously. Check connection contact 9 DCOUT+/plug X1 drawer metering system (DMS) to contact 2 DCOUT+/plug X29 (mainboard) and connection contact 6/plug X1 (DMS) transfer cable to contact 5 DCOUT 02/plug X29 (mainboard). 2. Passage determined. Replace the drawer metering system. 3. Interruption detected. Check contacts for correct position in plug. Check the interface connector/interface cable. Replace the interface cable. b) 1. Working in the Diagnosis menu > DCOUT 01 to 03, activate metering pumps R, N, K subsequently and check their function. 2. If none of the pumps can be activated, replace the drawer metering system. 3. One of the pumps is functioning. Disconnect the plug of the pumps from the drawer metering system. 4. Connect plug N to the plug-in of the functioning pump. Activate this output. Check the pump for its function. 5. The pump works on this plug-in, replace the drawer metering system. c) Pump does not work on this plug-in. Replace the metering pump for metering the neutralizer. d) Replace the control electronics.
167	MT10E DTA/ MT10E DTB	A malfunction was detected on the output of the neutralizer metering pump (DCOUT2). Please contact technical services.	The neutralizer metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Interruption of the electrical connection of output DCOUT 02 (neutralizer metering pump) in the cable harness or inadequate contacting. b) Drawer metering system (DMS) defective c) Metering pump defective d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) 1. Malfunctions 163, 167, 168 DCOUT 01, 02, 03 occur simultaneously. Check connection contact 9 DCOUT+/plug X1 drawer metering system (DMS) to contact 2 DCOUT+/plug X29 (mainboard) and connection contact 6/plug X1 (DMS) transfer cable to contact 5 DCOUT 02/plug X29 (mainboard). 2. Passage determined. Replace the drawer metering system. 3. Interruption detected. Check contacts for correct position in plug. Check the interface connector/interface cable. Replace the interface cable. b) 1. Working in the Diagnosis menu > DCOUT 01 to 03, activate metering pumps R, N, K subsequently and check their function. 2. If none of the pumps can be activated, replace the drawer metering system. 3. One of the pumps is functioning. Disconnect the plug of the pumps from the drawer metering system. 4. Connect plug N to the plug-in of the functioning pump. Activate this output. Check the pump for its function. 5. The pump works on this plug-in, replace the drawer metering system. c) Pump does not work on this plug-in. Replace the metering pump for metering the neutralizer. d) Replace the control electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
168	MT10 DTA/ MT10 DTB	Error 168 QUIT●4 Open output DC-OUT03 FOX03	The rinse aid metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Interruption of the electrical connection of output DCOUT 03 (rinse aid metering pump) in the cable harness or inadequate contacting. b) Drawer metering system (DMS) defective c) Metering pump defective d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) 1. Malfunctions 163, 167, 168 DCOUT 01, 02, 03 occur simultaneously. Check connection contact 9 DCOUT+/plug X1 drawer metering system (DMS) to contact 2 DCOUT+/plug X29 (mainboard) and connection contact 7/plug X1 (DMS) transfer cable to contact 6 DCOUT 03/plug X29 (mainboard). 2. Passage determined. Replace drawer metering system. 3. Interruption detected. Check contacts for correct position in plug. Check the interface connector/interface cable. Replace the interface cable. b) 1. Working in the Diagnosis menu > DCOUT 01 to 03, activate metering pumps R, N, K subsequently and check their function. 2. If none of the pumps can be activated, replace the drawer metering system. 3. One of the pumps is functioning. Disconnect the plug of the pumps from the drawer metering system. 4. Connect plug K to the plug-in of the functioning pump. Activate this output. Check the pump for its function. 5. The pump works on this plug-in, replace the drawer metering system. c) Pump does not work on this plug-in. Replace the metering pump for metering the rinse aid. d) Replace the control electronics.
168	MT10E DTA/ MT10E DTB	A malfunction was detected on the output of the rinse aid metering pump (DCOUT3). Please contact technical services.	The rinse aid metering pump is not functioning correctly. The metering system may be blocked.	1. Switch the device off and then on again. 2. Start the program again.	a) Interruption of the electrical connection of output DCOUT 03 (rinse aid metering pump) in the cable harness or inadequate contacting. b) Drawer metering system (DMS) defective c) Metering pump defective d) Control electronics defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) 1. Malfunctions 163, 167, 168 DCOUT 01, 02, 03 occur simultaneously. Check connection contact 9 DCOUT+/plug X1 drawer metering system (DMS) to contact 2 DCOUT+/plug X29 (mainboard) and connection contact 7/plug X1 (DMS) transfer cable to contact 6 DCOUT 03/plug X29 (mainboard). 2. Passage determined. Replace drawer metering system. 3. Interruption detected. Check contacts for correct position in plug. Check the interface connector/interface cable. Replace the interface cable. b) 1. Working in the Diagnosis menu > DCOUT 01 to 03, activate metering pumps R, N, K subsequently and check their function. 2. If none of the pumps can be activated, replace the drawer metering system. 3. One of the pumps is functioning. Disconnect the plug of the pumps from the drawer metering system. 4. Connect plug K to the plug-in of the functioning pump. Activate this output. Check the pump for its function. 5. The pump works on this plug-in, replace the drawer metering system. c) Pump does not work on this plug-in. Replace the metering pump for metering the rinse aid. d) Replace the control electronics.
169	MT10 DTA/ MT10 DTB	Error 169 QUIT●4 Open output DC-OUT04 FOX04	The solenoid valve for the cold water does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Aqua-Stop float switch has interrupted electrical connection output DCOUT 04 SV cold water (CW) b) Coil SV CW has an interruption c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	a) Malfunctions E169, E170, E171, 172, 173 occur simultaneously. Interruption common DCOUT+ line through Aqua-Stop float switch in the floor trough. Check the micro-switch, replace if defective. b) Check the resistance of the SV CW coil. If it is approaching infinite, replace the 3-way solenoid valve. c) Check the connection contact 7 DCOUT 04/plug X29 mainboard to connection via SV CW and connection contact 1 DCOUT+/plug X29 mainboard to connection rt SV CW. If an interruption is detected, check the contacts for their correct position in the plug and check the terminal end on the SV. d) Working in the Diagnosis menu, switch DCOUT 04. Check the voltage on the output, SV CW must be connected to permit this. Voltage approx. 28 V DC. If not, replace the electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
169	MT10E DTA/ MT10E DTB	A malfunction was detected on the cold water output (DCOUT4). Please contact technical services.	The solenoid valve for the cold water does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Aqua-Stop float switch has interrupted electrical connection output DCOUT 04 SV cold water (CW) b) Coil SV CW has an interruption c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	a) Malfunctions E169, E170, E171, 172, 173 occur simultaneously. Interruption common DCOUT+ line through Aqua-Stop float switch in the floor trough. Check the micro-switch, replace if defective. b) Check the resistance of the SV CW coil. If it is approaching infinite, replace the 3-way solenoid valve. c) Check the connection contact 7 DCOUT 04/plug X29 mainboard to connection via SV CW and connection contact 1 DCOUT+/plug X29 mainboard to connection rt SV CW. If an interruption is detected, check the contacts for their correct position in the plug and check the terminal end on the SV. d) Working in the Diagnosis menu, switch DCOUT 04. Check the voltage on the output, SV CW must be connected to permit this. Voltage approx. 28 V DC. If not, replace the electronics.
170	MT10 DTA/ MT10 DTB	Error 170 QUIT●4 Open output DC-OUT05 FOX05	The solenoid valve for the regeneration does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Aqua-Stop float switch has interrupted electrical connection output DCOUT 05 SV Regeneration b) Coil SV Reg. has an interruption c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	a) Malfunctions E169, E170, E171, 172, 173 occur simultaneously. Interruption common DCOUT+ line through Aqua-Stop float switch in the floor trough. Check the micro-switch, replace if defective. b) Check the resistance of the SV Reg coil. If it is approaching infinite, replace the 3-way solenoid valve. c) Check the connection contact 8 DCOUT 05/plug X29 mainboard to connection ge SV Reg. and connection contact 1 DCOUT+/plug X29 mainboard to connection rt SV CW. If an interruption is detected, check the contacts for their correct position in the plug and check the terminal end on the SV. d) Working in the Diagnosis menu, switch DCOUT 05. Check the voltage on the output, SV Reg. must be connected to permit this. Voltage approx. 28 V DC. If not, replace the electronics.
170	MT10E DTA/ MT10E DTB	A malfunction was detected on the output of the regeneration solenoid valve (DCOUT5). Please contact technical services.	The solenoid valve for the regeneration does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Aqua-Stop float switch has interrupted electrical connection output DCOUT 05 SV Regeneration b) Coil SV Reg. has an interruption c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	a) Malfunctions E169, E170, E171, 172, 173 occur simultaneously. Interruption common DCOUT+ line through Aqua-Stop float switch in the floor trough. Check the micro-switch, replace if defective. b) Check the resistance of the SV Reg coil. If it is approaching infinite, replace the 3-way solenoid valve. c) Check the connection contact 8 DCOUT 05/plug X29 mainboard to connection ge SV Reg. and connection contact 1 DCOUT+/plug X29 mainboard to connection rt SV CW. If an interruption is detected, check the contacts for their correct position in the plug and check the terminal end on the SV. d) Working in the Diagnosis menu, switch DCOUT 05. Check the voltage on the output, SV Reg. must be connected to permit this. Voltage approx. 28 V DC. If not, replace the electronics.
171	MT10 DTA/ MT10 DTB	Error 171 QUIT●4 Open output DC-OUT06 FOX06	The solenoid valve for the steam condenser does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Aqua-Stop float switch has interrupted electrical connection output DCOUT 06 SV steam condenser (SC) b) Coil SV SC has an interruption c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	a) Malfunctions E169, E170, E171, 172, 173 occur simultaneously. Interruption common DCOUT+ line through Aqua-Stop float switch in the floor trough. Check the micro-switch, replace if defective. b) Check the resistance of the SV SC coil. If it is approaching infinite, replace the 3-way solenoid valve. c) Check the connection contact 9 DCOUT 06/plug X29 mainboard to connection gn SV SC and connection contact 1 DCOUT+/plug X29 mainboard to connection rt SV SC. If an interruption is detected, check the contacts for their correct position in the plug and check the terminal end on the SV. d) Working in the Diagnosis menu, switch DCOUT 06. Check the voltage on the output, SV SC must be connected to permit this. Voltage approx. 28 V DC. If not, replace the electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
171	MT10E DTA/ MT10E DTB	A malfunction was detected on the output of the steam condenser solenoid valve (DCOUT6). Please contact technical services.	The solenoid valve for the steam condenser does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Aqua-Stop float switch has interrupted electrical connection output DCOUT 06 SV steam condenser (SC) b) Coil SV SC has an interruption c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	a) Malfunctions E169, E170, E171, 172, 173 occur simultaneously. Interruption common DCOUT+ line through Aqua-Stop float switch in the floor trough. Check the micro-switch, replace if defective. b) Check the resistance of the SV SC coil. If it is approaching infinite, replace the 3-way solenoid valve. c) Check the connection contact 9 DCOUT 06/plug X29 mainboard to connection gn SV SC and connection contact 1 DCOUT+/plug X29 mainboard to connection rt SV SC. If an interruption is detected, check the contacts for their correct position in the plug and check the terminal end on the SV. d) Working in the Diagnosis menu, switch DCOUT 06. Check the voltage on the output, SV SC must be connected to permit this. Voltage approx. 28 V DC. If not, replace the electronics.
172	MT10 DTA/ MT10 DTB	Error 172 QUIT●4 Open output DC-OUT07 FOX07	The solenoid valve of the DI inflow hose does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Aqua-Stop float switch has interrupted electrical connection output DCOUT 07 SV DI Aqua-Stop b) Coil SV in DI Aqua-Stop inflow hose has an interruption c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	a) Malfunctions E169, E170, E171, 172, 173 occur simultaneously. Interruption common DCOUT+ line through Aqua-Stop float switch in the floor trough. Check the micro-switch, replace if defective. b) Check the resistance of the SV coil in the DI Aqua-Stop inflow hose. If it is approaching infinite, replace the DI water inflow hose. c) Check the connection contact 10 DCOUT 07/plug X29 mainboard to connections rs/ws Aqua-Stop and connection contact 1 DCOUT+/plug X29 mainboard to connection rt SV DI Aqua-Stop. If an interruption is detected, check the contacts for their correct position in the plug and check the terminal end on the SV. d) Working in the Diagnosis menu, switch DCOUT 07. Check the voltage on the output, SV DI must be connected to permit this. Voltage approx. 28 V DC. If not, replace the electronics.
172	MT10E DTA/ MT10E DTB	A malfunction was detected on the output of the solenoid valve DI water Aqua-Stop (DCOUT7). Please contact technical services.	The solenoid valve of the DI inflow hose does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Aqua-Stop float switch has interrupted electrical connection output DCOUT 07 SV DI Aqua-Stop b) Coil SV in DI Aqua-Stop inflow hose has an interruption c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	a) Malfunctions E169, E170, E171, 172, 173 occur simultaneously. Interruption common DCOUT+ line through Aqua-Stop float switch in the floor trough. Check the micro-switch, replace if defective. b) Check the resistance of the SV coil in the DI Aqua-Stop inflow hose. If it is approaching infinite, replace the DI water inflow hose. c) Check the connection contact 10 DCOUT 07/plug X29 mainboard to connections rs/ws Aqua-Stop and connection contact 1 DCOUT+/plug X29 mainboard to connection rt SV DI Aqua-Stop. If an interruption is detected, check the contacts for their correct position in the plug and check the terminal end on the SV. d) Working in the Diagnosis menu, switch DCOUT 07. Check the voltage on the output, SV DI must be connected to permit this. Voltage approx. 28 V DC. If not, replace the electronics.
173	MT10 DTA/ MT10 DTB	Error 173 QUIT●4 Open output DC-OUT08 FOX08	The solenoid valve of the cold water inflow hose does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Aqua-Stop float switch has interrupted electrical connection output DCOUT 08 SV CW Aqua-Stop b) Coil SV in CW Aqua-Stop inflow hose has an interruption c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	a) Malfunctions E169, E170, E171, 172, 173 occur simultaneously. Interruption common DCOUT+ line through Aqua-Stop float switch in the floor trough. Check the micro-switch, replace if defective. b) Check the resistance of the SV in CW Aqua-Stop inflow hose. If it is approaching infinite, replace the CW water inflow hose. c) Check the connection contact 11 DCOUT 08/plug X29 mainboard to connection vio/sw Aqua-Stop and connection contact 1 DCOUT+/plug X29 mainboard to connection rt SV CW Aqua-Stop. If an interruption is detected, check the contacts for their correct position in the plug and check the terminal end on the SV. d) Working in the Diagnosis menu, switch DCOUT 08. Check the voltage on the output, SV CW must be connected to permit this. Voltage approx. 28 V DC. If not, replace the electronics.
173	MT10E DTA/ MT10E DTB	A malfunction was detected on the output of the solenoid valve cold water Aqua-Stop (DCOUT8). Please contact technical services.	The solenoid valve of the cold water inflow hose does not switch.	1. Switch the device off and then on again. 2. Start the program again.	a) Aqua-Stop float switch has interrupted electrical connection output DCOUT 08 SV Aqua-Stop CW b) Coil SV in CW Aqua-Stop inflow hose has an interruption c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	a) Malfunctions E169, E170, E171, 172, 173 occur simultaneously. Interruption common DCOUT+ line through Aqua-Stop float switch in the floor trough. Check the micro-switch, replace if defective. b) Check the resistance of the SV in CW Aqua-Stop inflow hose. If it is approaching infinite, replace the CW water inflow hose. c) Check the connection contact 11 DCOUT 08/plug X29 mainboard to connection vio/sw Aqua-Stop and connection contact 1 DCOUT+/plug X29 mainboard to connection rt SV CW Aqua-Stop. If an interruption is detected, check the contacts for their correct position in the plug and check the terminal end on the SV. d) Working in the Diagnosis menu, switch DCOUT 08. Check the voltage on the output, SV CW must be connected to permit this. Voltage approx. 28 V DC. If not, replace the electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
214	MT10 DTA/ MT10 DTB	Warning 214 QUIT●4 Logging W214	The CF card was removed from the slot during a running program and re-inserted.	Once the program has been completed, select DOCU MENU in the display and output the current log. Do not remove the CF card during active logging. Logging is active when the red LED illuminates.	CF card malfunction Other malfunction (e.g. internal CF card malfunction inserted under voltage, ...)	See remedy user
214	MT10E DTA/ MT10E DTB	The CF card was removed during a program. Please output all logs via Log output in the main menu.	The CF card was removed from the slot during a running program and re-inserted.	Once the program has been completed, working in the display, select the "Log output" and output the current log. Do not remove the CF card during active logging. Logging is active when the red LED illuminates.	CF card malfunction Other malfunction (e.g. internal CF card malfunction inserted under voltage, ...)	See remedy user
215	MT10 DTA/ MT10 DTB	Warning 215 QUIT●4 Logging W215	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File not found	See remedy user
215	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please insert a suitable CF card which has been formatted correctly via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File not found	See remedy user
216	MT10 DTA/ MT10 DTB	Warning 216 QUIT●4 Logging W216	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Sub-directory does not exist	See remedy user
216	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please insert a suitable CF card which has been formatted correctly via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Sub-directory does not exist	See remedy user

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
217	MT10 DTA/ MT10 DTB	Warning 217 QUIT•4 Logging W217	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File cannot be opened (max. number already reached).	See remedy user
217	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please insert a suitable CF card which has been formatted correctly via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File cannot be opened (max. number already reached).	See remedy user
218	MT10 DTA/ MT10 DTB	Warning 218 QUIT•4 Log on CF card! Move from CFC to PC and issue again W218	An existing log was recognized on the CF card during log output via the DOCU MENU.	Acknowledge the message with the key 4. The existing log will not be overwritten.	CF card malfunction During subsequent output of the logs via the Docu menu, it is found that a log is already present on the CF card.	See remedy user
218	MT10E DTA/ MT10E DTB	During log output on the CF card, logs were recognized which are already on the CF card.	Whilst outputting the logs via the "Log output" menu, a log was recognized on the CF card.	Press CONFIRM to acknowledge the message. The existing log will not be overwritten.	CF card malfunction During subsequent output of the logs via the "Log output" menu, it is found that a log is already present on the CF card.	See remedy user
219	MT10 DTA/ MT10 DTB	Warning 219 QUIT•4 Logging W219	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Invalid file descriptor	See remedy user
219	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Invalid file descriptor	See remedy user

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
220	MT10 DTA/ MT10 DTB	Warning 220 QUIT●4 Logging W220	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File name too long or invalid chars	See remedy user
220	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File name too long or invalid chars	See remedy user
221	MT10 DTA/ MT10 DTB	Warning 221 QUIT●4 CF card full W221	The CF card memory is full and no further logs can be saved.	1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual.	CF card malfunction No memory left on the CF card	See remedy user
221	MT10E DTA/ MT10E DTB	The CF card is full. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card memory is full and no further logs can be saved.	2. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual.	CF card malfunction No memory left on the CF card	See remedy user
222	MT10 DTA/ MT10 DTB	Warning 222 QUIT●4 Logging W222	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File/directory already exists with the same name	See remedy user
222	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File/directory already exists with the same name	See remedy user

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
223	MT10 DTA/ MT10 DTB	Warning 223 QUIT●4 CFC unformatted	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Unknown format / not formatted	See remedy user
223	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Unknown format / not formatted	See remedy user
224	MT10 DTA/ MT10 DTB	Warning 224 QUIT●4 Logging W224	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Invalid open mode	See remedy user
224	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Invalid open mode	See remedy user
225	MT10 DTA/ MT10 DTB	Warning 225 QUIT●4 Logging W225	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Function not implemented	See remedy user

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
225	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Function not implemented	See remedy user
226	MT10 DTA/ MT10 DTB	Warning 226 QUIT●4 Logging W226	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Write buffer overflow	See remedy user
226	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Write buffer overflow	See remedy user
227	MT10 DTA/ MT10 DTB	Warning 227 QUIT●4 Logging W227	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Invalid drive letter	See remedy user
227	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Invalid drive letter	See remedy user
228	MT10 DTA/ MT10 DTB	Warning 228 QUIT●4 CFC not recognized after reset W228	The CF card is too slow. Either the CF card is no longer recognized following a reset or it was inserted in the slot under voltage.	1. Save the log on an external data carrier. 2. Insert a new CF card (max. 4 GB) in the card slot. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction CF card identify after reset failed, e.g. if internal CF card inserted under voltage, "slow card", ...	See remedy user

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
228	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card is too slow. Either the CF card is no longer recognized following a reset or it was inserted in the slot under voltage.	1. Save the log on an external data carrier. 2. Insert a new CF card (max. 4 GB) in the card slot. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction CF card identify after reset failed, e.g. if internal CF card inserted under voltage, "slow card", ...	See remedy user
229	MT10 DTA/ MT10 DTB	Warning 229 QUIT•4 CF card removed upon access W229	The CF card was removed from the slot during a writing action.	Once the program has been completed, select DOCU MENU in the display and output the current log. Do not remove the CF card during active logging. Logging is active when the red LED illuminates.	CF card malfunction Card removed during access	See remedy user
229	MT10E DTA/ MT10E DTB	The CF card was removed during a saving access. Please output all logs via the Log output in the main menu.	The CF card was removed from the slot during a writing action.	If the program has been concluded, working in the display, select the "Log output" menu and output the current log. Do not remove the CF card during active logging. Logging is active when the red LED illuminates.	CF card malfunction Card removed during access	See remedy user
230	MT10 DTA/ MT10 DTB	Warning 230 QUIT•4 No more entries in directory W230	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction No further entries in directory	See remedy user
230	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction No further entries in directory	See remedy user
231	MT10 DTA/ MT10 DTB	Warning 231 QUIT•4 No CF card W231	The CF card does not function correctly. a) There is no CF card in the slot. b) The system does not recognize a CF card or the CF card cannot be read.	to a) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only. to b) Push the CF card in the card slot until it the ejector button triggers.	CF card malfunction No CF card in the slot	See remedy user
231	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) There is no CF card in the slot. b) The system does not recognize a CF card or the CF card cannot be read.	to a) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only. to b) Push the CF card in the card slot until it the ejector button triggers.	CF card malfunction No CF card in the slot	See remedy user
232	MT10 DTA/ MT10 DTB	Warning 232 QUIT•4 Logging W232	The CF card does not function correctly. The CF card is currently being initialized or written.	Acknowledge the message with the key 4.	CF card malfunction CF card still being initialized or is currently executing writing operations	See remedy user

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
232	MT10E DTA/ MT10E DTB	The CF card is being written.	The CF card does not function correctly. The CF card is currently being initialized or written.	Press CONFIRM to acknowledge the message.	CF card malfunction CF card still being initialized or is currently executing writing operations	See remedy user
233	MT10 DTA/ MT10 DTB	Warning 233 QUIT●4 Logging W233	The CF card does not function correctly. The CF card is currently being initialized or written.	Acknowledge the message with the key 4.	CF card malfunction Attempt to read beyond the file end	See remedy user
233	MT10E DTA/ MT10E DTB	The CF card is being written.	The CF card does not function correctly. The CF card is currently being initialized or written.	Press CONFIRM to acknowledge the message.	CF card malfunction Attempt to read beyond the file end	See remedy user
234	MT10 DTA/ MT10 DTB	Warning 234 QUIT●4 Logging W234	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File is not opened for writing	See remedy user
234	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File is not opened for writing	See remedy user
235	MT10 DTA/ MT10 DTB	Warning 235 QUIT●4 Logging W235	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File is not opened for reading	See remedy user
235	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction File is not opened for reading	See remedy user

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
236	MT10 DTA/ MT10 DTB	Warning 236 QUIT●4 Logging W236	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Inconsistency in file system	See remedy user
236	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Inconsistency in file system	See remedy user
237	MT10 DTA/ MT10 DTB	Warning 237 QUIT●4 Logging W237	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Access not permitted	See remedy user
237	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Access not permitted	See remedy user
238	MT10 DTA/ MT10 DTB	Warning 238 QUIT●4 CF card not formattable W238	The CF card is not functioning correctly and cannot be formatted.	Insert a new CF card (max. 4 GB) in the card slot. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Output medium cannot be formatted	See remedy user
238	MT10E DTA/ MT10E DTB	The CF card cannot be formatted. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card is not functioning correctly and cannot be formatted.	Insert a new CF card (max. 4 GB) in the card slot. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Output medium cannot be formatted	See remedy user

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
239	MT10 DTA/ MT10 DTB	Warning 239 QUIT●4 Logging W239	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Further entries in directory impossible	See remedy user
239	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction Further entries in directory impossible	See remedy user
240	MT10 DTA/ MT10 DTB	Warning 240 QUIT●4 No free entry in cache W240	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction No free entries in cache	See remedy user
240	MT10E DTA/ MT10E DTB	The CF card was not recognized or is incompatible. Please transfer all logs to a computer and then format the CF card via the Log output menu.	The CF card does not function correctly. a) The system does not recognize a CF card or is unable to read it. b) The CF card memory is too large (max. 4 GB).	to a) 1. Save the logs on an external data carrier. 2. Select the "Log output" menu on the display and navigate to "CF card formatting". Format the CF card in the device, see the technical manual. to b) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only.	CF card malfunction No free entries in cache	See remedy user
255	MT10 DTA/ MT10 DTB	Error 255 QUIT●4 Sensor AIN10 FIZ10	This malfunction can only be remedied by a service technician.	Please contact technical services.	Malfunction sensor AIN 10 Impermissible deviation of the reference voltage 1 from the firmware determined. a) The short circuit on a DINZ sensor (measuring turbine) can influence the reference voltage. b) Control electronics defective c) Auxiliary module AC outputs (ACZM) defective	There follows a constant control of the two reference voltage sources of the AD transformer system on the control electronics. If the firmware detects an impermissible deviation from the reference voltage 1. a) Check the measuring turbine for a short circuit. Connections may be wettened by liquid. b) Replace the control electronics. c) Replace the auxiliary module AC outputs (ACZM).

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
255	MT10E DTA/ MT10E DTB	A system malfunction has occurred. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Malfunction sensor AIN 10 Impermissible deviation of the reference voltage 1 from the firmware determined. a) The short circuit on a DINZ sensor (measuring turbine) can influence the reference voltage. b) Control electronics defective c) Auxiliary module AC outputs (ACZM) defective	There follows a constant control of the two reference voltage sources of the AD transformer system on the control electronics. If the firmware detects an impermissible deviation from the reference voltage 1. a) Check the measuring turbine for a short circuit. Connections may be wettened by liquid. b) Replace the control electronics. c) Replace the auxiliary module AC outputs (ACZM).
256	MT10 DTA/ MT10 DTB	Error 256 QUIT●4 Sensor AIN11 FIZ11	This malfunction can only be remedied by a service technician.	Please contact technical services.	Malfunction sensor AIN 11 Impermissible deviation of the reference voltage 1 from the firmware determined. a) The short circuit on a DINZ sensor (measuring turbine) can influence the reference voltage. b) Control electronics defective c) Auxiliary module AC outputs (ACZM) defective	There follows a constant control of the two reference voltage sources of the AD transformer system on the control electronics. If the firmware detects an impermissible deviation from the reference voltage 1. a) Check the measuring turbine for a short circuit. Connections may be wettened by liquid. b) Replace the control electronics. c) Replace the auxiliary module AC outputs (ACZM).
256	MT10E DTA/ MT10E DTB	A system malfunction has occurred. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Malfunction sensor AIN 11 Impermissible deviation of the reference voltage 1 from the firmware determined. a) The short circuit on a DINZ sensor (measuring turbine) can influence the reference voltage. b) Control electronics defective c) Auxiliary module AC outputs (ACZM) defective	There follows a constant control of the two reference voltage sources of the AD transformer system on the control electronics. If the firmware detects an impermissible deviation from the reference voltage 1. a) Check the measuring turbine for a short circuit. Connections may be wettened by liquid. b) Replace the control electronics. c) Replace the auxiliary module AC outputs (ACZM).
257	MT10 DTA/ MT10 DTB	Error 257 QUIT●4 Sensor AIN12 FIZ12	The connection to the conductivity sensor is interrupted. An incorrect conductivity measurement or no measurement at all is stated.	1. Switch the device off and then on again. 2. Start the program again.	Cable break sensor AIN 12 a) Connection to the pump pit conductivity sensor interrupted. b) Auxiliary module E2003 defective	a) Check the connection of plug X2 ACZM extension module to the pump pit conductivity sensor for passage and remedy any interruption. b) Plug the connecting plug AIN 12 directly to the connection AIN 11 of the control electronics. Working in the Ophthamo-Program, activate the maintenance mode and start disinfection. Once disinfection has been completed, the connection is OK and the auxiliary module is defective, it must be replaced.
257	MT10E DTA/ MT10E DTB	A malfunction was detected for the pump pit conductivity sensor (AIN12). Please contact technical services.	The connection to the conductivity sensor is interrupted. An incorrect conductivity measurement or no measurement at all is stated.	1. Switch the device off and then on again. 2. Start the program again.	Cable break sensor AIN 12 a) Connection to the pump pit conductivity sensor interrupted. b) Auxiliary module E2003 defective	a) Check the connection of plug X2 ACZM extension module to the pump pit conductivity sensor for passage and remedy any interruption. b) Plug the connecting plug AIN 12 directly to the connection AIN 11 of the control electronics. Working in the Ophthamo-Program, activate the maintenance mode and start disinfection. Once disinfection has been completed, the connection is OK and the auxiliary module is defective, it must be replaced.
261	MT10 DTA/ MT10 DTB	Error 261 QUIT●4 Sensor AIN16 FIZ16	This malfunction can only be remedied by a service technician.	Please contact technical services.	a) Malfunction of the AIN 16 cooling element temperature sensor on the control electronics b) Control electronics defective	Replace the control electronics.
261	MT10E DTA/ MT10E DTB	A malfunction was recognized on the temperature sensor of the cooling element on the control electronics (AIN16). Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	a) Malfunction of the AIN 16 cooling element temperature sensor on the control electronics b) Control electronics defective	Replace the control electronics.
302	MT10 DTA/ MT10 DTB	Error 302 QUIT●4 EEPROM defective F302	This malfunction can only be remedied by a service technician.	Please contact technical services.	The control electronics is possibly defect.	Replace the control electronics.
302	MT10E DTA/ MT10E DTB	The EEPROM is defective. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	The control electronics is possibly defect.	Replace the control electronics.
355	MT10 DTA/ MT10 DTB	Error 355 QUIT●4 System F355	This malfunction can only be remedied by a service technician.	Please contact technical services.	The control electronics is possibly defect.	Replace the control electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
355	MT10E DTA/ MT10E DTB	A system malfunction has occurred. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	The control electronics is possibly defect.	Replace the control electronics.
357	MT10 DTA/ MT10 DTB	Error 357 QUIT●4 System F357	This malfunction can only be remedied by a service technician.	Please contact technical services.	The control electronics is possibly defect.	Replace the control electronics.
357	MT10E DTA/ MT10E DTB	A system malfunction has occurred. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	The control electronics is possibly defect.	Replace the control electronics.
360	MT10 DTA/ MT10 DTB	Error 360 QUIT●4 System F360	This malfunction can only be remedied by a service technician.	Please contact technical services.	Program / parameter data checksum incorrect	Repeat the software update.
360	MT10E DTA/ MT10E DTB	A system malfunction has occurred. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Program/parameter data checksum incorrect	Repeat the software update.
372	MT10 DTA/ MT10 DTB	Warning 372 QUIT●4 Internal program log-memory full, not all logs issued W372	The internal log memory of the device is full. Not all logs have been outputted.	1. Working in the display, select the DOCU MENU and output the log of the internal memory. 2. Start the program again. 3. If this notification is displayed repeatedly, delete the internal memory.	Log memory full. a) Output medium not set correctly b) CF card defective c) Network settings are not correct	a) Check the settings of the output medium in the automatic logging. Check the connection of the set output media. b) Insert a new CF card. c) Check the network connections in the automatic logging.
372	MT10E DTA/ MT10E DTB	The internal log memory is full. Please output all logs via Log output in the main menu.	The internal log memory of the device is full. Not all logs have been outputted.	1. Working in the display, select the "Log output" menu and output the logs of the internal memory. 2. Start the program again. 3. If this notification is displayed repeatedly, delete the internal memory.	Log memory full. a) Output medium not set correctly b) CF card defective c) Network settings are not correct	a) Check the settings of the output medium in the "Settings > Log settings" menu. Check the connection of the set output media. b) Insert a new CF card. c) Check the network connections in the "Settings > Log settings" menu.
373	MT10 DTA/ MT10 DTB	Warning 373 QUIT●4 Internal malf. log memory full, not all malf. logs issued W373	This malfunction can only be remedied by a service technician.	Please contact technical services.	Log memory full. a) Output medium not set correctly b) CF card defective c) Network settings are not correct	a) Check the settings of the output medium in the automatic logging. Check the connection of the set output media. b) Insert a new CF card. c) Check the network connections in the automatic logging.
373	MT10E DTA/ MT10E DTB	The internal log memory is full. Please output all logs via Log output in the main menu.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Log memory full. a) Output medium not set correctly b) CF card defective c) Network settings are not correct	a) Check the settings of the output medium in the "Settings > Log settings" menu. Check the connection of the set output media. b) Insert a new CF card. c) Check the network connections in the "Settings > Log settings" menu.
377	MT10 DTA/ MT10 DTB	Warning 377 QUIT●4 No MELAprint W377	The system does not recognize an output medium. a) The system does not recognize a log printer, even though it is connected. b) Automatic logging is active in the SETUP MENU. However, a log printer is not connected.	to a) Check the settings in the SETUP MENU > "Automatic logging". to b) 1. Working in the display, select the DOCU MENU and save the logs on the CF card or the computer. 2. Working in the SETUP MENU > deactivate "Automatic logging". The display changes from ACTIVE to INACTIVE.	No log printer MELAprint 42/44	See remedy user
377	MT10E DTA/ MT10E DTB	It was not possible to establish a connection to the log printer. Please check the connections and settings.	The system does not recognize an output medium. a) The system does not recognize a log printer, even though it is connected. b) Working in the "Settings > Log settings" menu, at least one output is active and "Immediate output" has been set to "yes". However, a log printer is not connected.	to a) Check the settings in the "Settings > Log settings" menu. to b) 1. Working in the display, select the "Log output" menu and save the log on the CF card or the computer. 2. Open the "Settings > Log settings" menu and deactivate "Immediate output". The display changes from "yes" to "no".	No log printer MELAprint 42/44	See remedy user

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
378	MT10 DTA/ MT10 DTB	Warning 378 QUIT●4 System battery W378	This malfunction can only be remedied by a service technician.	Please contact technical services.	Backup battery empty The system checks the battery voltage once a month and it has reached the threshold.	Replace the CR2032 type battery on the control electronics.
378	MT10E DTA/ MT10E DTB	The battery on the control electronics is low and must be replaced. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Backup battery empty The system checks the battery voltage once a month and it has reached the threshold.	Replace the CR2032 type battery on the control electronics.
386	MT10 DTA/ MT10 DTB	Warning 386 QUIT●4 Prog. log-memory almost full. Not all logs issued. W386	The internal log memory contains logs which have yet to be outputted. The memory is almost full.	Acknowledge the message with the key 4. The program starts. As soon as the program has ended, working in the display, select the DOCU MENU and output all logs from the internal memory (CF card or external data carrier).	Program memory almost full	See remedy user
386	MT10E DTA/ MT10E DTB	The internal log memory is almost full. Please output all logs via log output in the main menu after the program end.	The device internal log memory contains logs which have yet to be outputted. The memory is almost full.	Press CONFIRM to acknowledge the message. The program starts. As soon as the program has ended, working in the display, select the "Log output" menu and output all logs from the internal memory (CF card or external data carrier).	Program memory almost full	See remedy user
394	MT10 DTA/ MT10 DTB	Warning 394 QUIT●4 Not all logs on CF card. Issue now? W394	Not all logs from the internal device memory have been saved on the CF card.	Acknowledge the message with the key 4. The logs are written and saved on the CF card.	Not all logs on CF card a) CF card was not inserted during previous program runs. b) The end process was aborted. Program log is saved internally.	See remedy user If the malfunction repeats, perform a software update.
394	MT10E DTA/ MT10E DTB	The internal log memory contains non-outputted logs. These are now outputted on the CF card.	Not all logs from the internal device memory have been saved on the CF card.	Press CONFIRM to acknowledge the message. The logs are written and saved on the CF card.	Not all logs on CF card a) CF card was not inserted during previous program runs. b) The end process was aborted. Program log is saved internally.	See remedy user If the malfunction repeats, perform a software update.
395	MT10 DTA/ MT10 DTB	Warning 395 QUIT●4 Not all logs printed. Issue now? W395	Not all logs have been outputted from the internal device log memory via the EDM printer.	Acknowledge the message with the key 4. The logs are outputted and printed.	Not all logs printed	See remedy user If the malfunction repeats, perform a software update.
395	MT10E DTA/ MT10E DTB	The internal log memory contains non-outputted logs. These are now outputted on the log printer.	Not all logs have been outputted from the internal device log memory via the EDM printer.	Press CONFIRM to acknowledge the message. The logs will be outputted and printed.	Not all logs printed	See remedy user If the malfunction repeats, perform a software update.
396	MT10 DTA/ MT10 DTB	Warning 396 QUIT●4 Not all logs on computer. Issue now? W396	Not all logs have been loaded onto the FTP server from the internal log memory of the device.	Acknowledge the message with the key 4. The logs are outputted and saved.	Not all logs on the computer a) Output medium not set correctly during previous program runs. b) Network settings were not correct during previous program runs.	See remedy user If the malfunction repeats, perform a software update.
396	MT10E DTA/ MT10E DTB	The internal log memory contains non-outputted logs. These are now outputted on the computer.	Not all logs have been loaded onto the FTP server from the internal log memory of the device.	Press CONFIRM to acknowledge the message. The logs are outputted and saved.	Not all logs on the computer a) Output medium not set correctly during previous program runs. b) Network settings were not correct during previous program runs.	See remedy user If the malfunction repeats, perform a software update.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
397	MT10 DTA/ MT10 DTB	Warning 397 QUIT●4 No connection to the computer W397	The system is unable to locate a computer for log output. a) Even though the device is connected to a computer, it is unable to establish a connection. b) The device is not connected to a computer, but the option "Computer" is active in SETUP MENU > "Automatic logging".	to a) 1. Check the network connection to the computer / server. 2. Switch on the computer / server. 3. Restart the documentation software. to b) Working in the display, select the SETUP MENU > "Automatic logging" and deactivate the option "Computer". The display changes from YES to NO.	No connection to the computer	See remedy user If the malfunction repeats, perform a software update.
397	MT10E DTA/ MT10E DTB	It was not possible to establish a connection to the computer. Please check the connections and settings.	The system is unable to locate a computer for log output. a) Even though the device is connected to a computer, it is unable to establish a connection for log output. b) The device is not connected to a computer, but in the "Settings > Log settings" menu, the "Computer" parameter is set to "yes" (active).	to a) 1. Check the network connection to the computer / server. 2. Switch on the computer / server. 3. Restart the documentation software. to b) Working in the display, select the "Settings > Log settings" menu and deactivate the "Computer" parameter. The display changes from "yes" to "no".	No connection to the computer	See remedy user If the malfunction repeats, perform a software update.
403	MT10 DTA/ MT10 DTB	Error 403 QUIT●4 Please ON/OFF Emerg.-switch F403	This malfunction can only be remedied by a service technician.	Please contact technical services.	Emergency switch off triggered a) Multi point connector X43 DIN not plugged on correctly b) The bridge between contact 19 and 20 on the multi point connector X43 missing c) Loose contact	a) Connect plug X43 correctly. Observe the coding! b) Check the bridge between contact 19 and 20/plug X43 for presence. c) Check contacts 19 and 20/plug X43 for correct position in the plug.
403	MT10E DTA/ MT10E DTB	The emergency deactivation has been triggered. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Emergency switch off triggered a) Multi point connector X43 DIN not plugged on correctly b) The bridge between contact 19 and 20 on the multi point connector X43 missing c) Loose contact	a) Connect plug X43 correctly. Observe the coding! b) Check the bridge between contact 19 and 20/plug X43 for presence. c) Check contacts 19 and 20/plug X43 for correct position in the plug.
404	MT10 DTA/ MT10 DTB	Error 404 QUIT●4 Emergency STOP input SCOUT open F404	This malfunction can only be remedied by a service technician.	Please contact technical services.	Emergency switch off triggered a) Multi point connector X43 DIN not plugged on correctly b) The bridge between contact 19 and 20 on the multi point connector X43 missing c) Loose contact	a) Connect plug X43 correctly. Observe the coding! b) Check the bridge between contact 19 and 20/plug X43 for presence. c) Check contacts 19 and 20/plug X43 for correct position in the plug.
404	MT10E DTA/ MT10E DTB	A system malfunction has occurred. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Emergency switch off triggered a) Multi point connector X43 DIN not plugged on correctly b) The bridge between contact 19 and 20 on the multi point connector X43 missing c) Loose contact	a) Connect plug X43 correctly. Observe the coding! b) Check the bridge between contact 19 and 20/plug X43 for presence. c) Check contacts 19 and 20/plug X43 for correct position in the plug.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
410	MT10 DTA/ MT10 DTB	Error 410 QUIT●4 Rinse aid exhausted	The rinse aid has been exhausted.	1. Replace the rinse aid container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program.	A query of the filling level is performed via the float switch suction lance DIN 09 before program start. a) Rinse aid float switch does not close. Float switch suction lance defective. b) Drawer metering system (DMS) defective c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	Working in the Diagnosis menu, check DIN 09. Lift the suction lance from the container. Check whether the float switch of the suction lance falls and triggers a signal change. Switch positions - switch signals: Float above, switch closed, medium sufficient, signal 0. Float above, switch open, medium exhausted, signal 1. a) Check the switching signal on the plug suction lance SK (rinse aid)/drawer metering system (DMS). No switching signal can be determined. Replace the suction lance. Re-connect the suction lance plug. b) Check the switching signal between contact 8 and 4/plug X1 drawer metering system. No switching signal can be determined. Replace the drawer metering system. c) Check the switch signal between contact 13 DIN 8/plug X43 mainboard and contact 9 DINZ /plug X42 mainboard. No switching signal can be determined. Check contacts for correct position in plug. Check the cable harness/interface cable. d) Switch signal to the control electronics OK. Replace the control electronics.
410	MT10E DTA/ MT10E DTB	The rinse aid has been exhausted. Please fill or replace the container. CAUTION! Comply with the working safety regulations.	The rinse aid has been exhausted.	1. Replace the rinse aid container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program.	A query of the filling level is performed via the float switch suction lance DIN 09 before program start. a) Rinse aid float switch does not close. Float switch suction lance defective. b) Drawer metering system (DMS) defective c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	Working in the Diagnosis menu, check DIN 09. Lift the suction lance from the container. Check whether the float switch of the suction lance falls and triggers a signal change. Switch positions - switch signals: Float above, switch closed, medium sufficient, signal 0. Float above, switch open, medium exhausted, signal 1. a) Check the switching signal on the plug suction lance SK (rinse aid)/drawer metering system (DMS). No switching signal can be determined. Replace the suction lance. Re-connect the suction lance plug. b) Check the switching signal between contact 8 and 4/plug X1 drawer metering system. No switching signal can be determined. Replace the drawer metering system. c) Check the switch signal between contact 13 DIN 8/plug X43 mainboard and contact 9 DINZ /plug X42 mainboard. No switching signal can be determined. Check contacts for correct position in plug. Check the cable harness/interface cable. d) Switch signal to the control electronics OK. Replace the control electronics.
411	MT10 DTA/ MT10 DTB	Error 411 QUIT●4 Neutralizer exhausted	The neutralizer has been exhausted.	1. Replace the neutralizer container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program.	Query of the filling level via the float switch suction lance DIN 08 before program start. a) Float switch neutralizer does not close. Float switch suction lance defective. b) Drawer metering system (DMS) defective c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	Working in the Diagnosis menu, check DIN 08. Lift the suction lance from the container. Check whether the float switch of the suction lance falls and triggers a signal change. Float above, switch closed, medium sufficient, signal 0. Float below, switch open, open medium exhausted, signal 1. a) Check the switching signal on the plug suction lance SN/drawer metering system (DMS). No switching signal can be determined. Replace the suction lance. Re-connect the suction lance plug. b) Check the switching signal between contact 8 and 3/plug X1 drawer metering system. No switching signal can be determined. Replace the drawer metering system. c) Check the switch signal between contact 12 DIN 8/plug X43 mainboard and contact 9 DINZ /plug X42 mainboard. No switching signal can be determined. Check contacts for correct position in plug. Check the cable harness/interface cable. d) Switch signal to the control electronics OK. Replace the control electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
411	MT10E DTA/ MT10E DTB	The neutralizer has been exhausted. Please fill or replace the container. CAUTION! Comply with the working safety regulations.	The neutralizer has been exhausted.	1. Replace the neutralizer container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program.	Query of the filling level via the float switch suction lance DIN 08 before program start. a) Float switch neutralizer does not close. Float switch suction lance defective. b) Drawer metering system (DMS) defective c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	Working in the Diagnosis menu, check DIN 08. Lift the suction lance from the container. Check whether the float switch of the suction lance falls and triggers a signal change. Float above, switch closed, medium sufficient, signal 0. Float below, switch open, open medium exhausted, signal 1. a) Check the switching signal on the plug suction lance SN/drawer metering system (DMS). No switching signal can be determined. Replace the suction lance. Re-connect the suction lance plug. b) Check the switching signal between contact 8 and 3/plug X1 drawer metering system. No switching signal can be determined. Replace the drawer metering system. c) Check the switch signal between contact 12 DIN 8/plug X43 mainboard and contact 9 DINZ /plug X42 mainboard. No switching signal can be determined. Check contacts for correct position in plug. Check the cable harness/interface cable. d) Switch signal to the control electronics OK. Replace the control electronics.
412	MT10 DTA/ MT10 DTB	Error 412 QUIT●4 Cleaner exhausted	The cleaning agent has been exhausted.	1. Replace the cleaning agent container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program.	Query of the filling level via the float switch suction lance DIN 07 before program start. a) Float switch cleaning agent does not close. Float switch suction lance defective. b) Drawer metering system (DMS) defective c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	Working in the Diagnosis menu, check DIN 07. Lift the suction lance from the container. Check whether the float switch of the suction lance falls and triggers a signal change. Float above, switch closed, medium sufficient, signal 0. Float above, switch open, medium exhausted, signal 1. a) Check the switching signal on the plug suction lance SR/drawer metering system (DMS). No switching signal can be determined. Replace the suction lance. Re-connect the suction lance plug. b) Check the switching signal between contact 8 and 2/plug X1 drawer metering system. No switching signal can be determined. Replace the drawer metering system. c) Check the switch signal between contact 11 DIN 7/plug X43 mainboard and contact 9 DINZ /plug X42 mainboard. No switching signal can be determined. Check contacts for correct position in plug. Check the cable harness/interface cable. d) Switch signal to the control electronics OK. Replace the control electronics.
412	MT10E DTA/ MT10E DTB	The cleaning agent has been exhausted. Please fill or replace the container. CAUTION! Comply with the working safety regulations.	The cleaning agent has been exhausted.	1. Replace the cleaning agent container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program.	Query of the filling level via the float switch suction lance DIN 07 before program start. a) Float switch cleaning agent does not close. Float switch suction lance defective. b) Drawer metering system (DMS) defective c) Cable break in the cable harness or inadequate contacting d) Control electronics defective	Working in the Diagnosis menu, check DIN 07. Lift the suction lance from the container. Check whether the float switch of the suction lance falls and triggers a signal change. Float above, switch closed, medium sufficient, signal 0. Float above, switch open, medium exhausted, signal 1. a) Check the switching signal on the plug suction lance SR/drawer metering system (DMS). No switching signal can be determined. Replace the suction lance. Re-connect the suction lance plug. b) Check the switching signal between contact 8 and 2/plug X1 drawer metering system. No switching signal can be determined. Replace the drawer metering system. c) Check the switch signal between contact 11 DIN 7/plug X43 mainboard and contact 9 DINZ /plug X42 mainboard. No switching signal can be determined. Check contacts for correct position in plug. Check the cable harness/interface cable. d) Switch signal to the control electronics OK. Replace the control electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
414	MT10 DTA/ MT10 DTB	Warning 414 QUIT●4 Rinse aid just exhausted	The rinse aid container has been exhausted.	1. Replace the rinse aid container, working in accordance with the working safety regulations. Alternatively, refill. 2. Start the "Air removal" program. NOTICE! Use only process agents which you have used before.	A technical defect during metering of the rinse aid means that the signal of the float switch of the suction lance DIN 09 has changed from 0 to 1. When the process agents have been filled, the warning has been acknowledged and the technical defect is still present, malfunction 410 occurs.	Proceed as with 410
414	MT10E DTA/ MT10E DTB	The rinse aid has been exhausted. Please fill or replace the container. CAUTION! Comply with the working safety regulations.	The rinse aid has been exhausted.	1. Replace the rinse aid container, working in accordance with the working safety regulations. Alternatively, refill. 2. Start the "Air removal" program. NOTICE! Use only process agents which you have used before.	A technical defect during metering of the rinse aid means that the signal of the float switch of the suction lance DIN 09 has changed from 0 to 1. When the process agents have been filled, the warning has been acknowledged and the technical defect is still present, malfunction 410 occurs.	Proceed as with 410
424	MT10 DTA/ MT10 DTB	Warning 424 QUIT●4 Neutralizer just exhausted	The neutralizer container has been exhausted.	1. Replace the neutralizer container, working in accordance with the working safety regulations. Alternatively, refill. 2. Start the "Air removal" program. NOTICE! Use only process agents which you have used before.	A technical defect during metering of the rinse aid means that the signal of the float switch of the suction lance DIN 08 has changed from 0 to 1. When the process agents have been filled, the warning has been acknowledged and the technical defect is still present, malfunction 411 occurs.	Proceed as with 411
424	MT10E DTA/ MT10E DTB	The neutralizer has been exhausted. Please fill or replace the container. CAUTION! Comply with the working safety regulations.	The neutralizer has been exhausted.	1. Replace the neutralizer container, working in accordance with the working safety regulations. Alternatively, refill. 2. Start the "Air removal" program. NOTICE! Use only process agents which you have used before.	A technical defect during metering of the rinse aid means that the signal of the float switch of the suction lance DIN 08 has changed from 0 to 1. When the process agents have been filled, the warning has been acknowledged and the technical defect is still present, malfunction 411 occurs.	Proceed as with 411
425	MT10 DTA/ MT10 DTB	Warning 425 QUIT●4 Cleaner just exhausted	The cleaning agent container has been exhausted.	1. Replace the cleaning agent container, working in accordance with the working safety regulations. Alternatively, refill. 2. Start the "Air removal" program. NOTICE! Use only process agents which you have used before.	A technical defect during metering of the rinse aid means that the signal of the float switch of the suction lance DIN 07 has changed from 0 to 1. When the process agents have been filled, the warning has been acknowledged and the technical defect is still present, malfunction 412 occurs.	Proceed as with 412
425	MT10E DTA/ MT10E DTB	The cleaning agent has been exhausted. Please fill or replace the container. CAUTION! Comply with the working safety regulations.	The cleaning agent has been exhausted.	1. Replace the cleaning agent container, working in accordance with the working safety regulations. Alternatively, refill. 2. Start the "Air removal" program. NOTICE! Use only process agents which you have used before.	A technical defect during metering of the rinse aid means that the signal of the float switch of the suction lance DIN 07 has changed from 0 to 1. When the process agents have been filled, the warning has been acknowledged and the technical defect is still present, malfunction 412 occurs.	Proceed as with 412

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
426	MT10 DTA/ MT10 DTB	Air bubble formation R Start Air Removal F426	No cleaning agent is pumped. a) The cleaning agent container has been exhausted or air is being transported. b) The hose to the suction lance is kinked. c) Air bubbles have developed in the metering system after long immobilization times.	to a) 1. Replace the cleaning agent container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program. to b) 1. Eliminate any kinks or pinch points on the process agent hoses. 2. Start the "Air removal" program. to c) Start the "Air removal" program.	Measuring turbine cleaning agent DINZ 03 does not register a pulse. Pulse rate 0 pulse/sec. a) Metering pump defective b) Hose system crushed c) Hose system blocked, suction lance blocked d) Metering turbine blocked by crystallization of the media e) Measuring turbine defective f) Drawer metering system (DMS) defective or cable break or inadequate contacting g) Control electronics defective	Perform work with gloves and goggles! Rinse the metering system with water. Perform all investigations with water as a replacement media. Working in the Diagnosis menu, access DCOUT 01. Open the door with the emergency release. Activate DCOUT 01. Check whether process agent flows into the washing chamber. Monitor the pulse rate. a) Check the function of the cleaning agent metering pump. Pump without function Proceed as with 163. b) Check hose system for visible crushing. Create free installation. c) Check the hose system and suction lance for blockage. Starting from washing chamber inflow, open the system. By activating DCOUT 01, localize the blockage and remove. d) Remove the measuring turbine, open and clean. Re-install. Evaluate pulse rate. - Good from 4-10 pulse/sec. Start the air removal program as an intermediate test. e) Critical from 0-4 pulse/sec. Replace the measuring turbine. f) 1. Check the signal path to the mainboard. Check connection contact 1/plug X1 (DMS) to contact contact 8 DINZ3+/plug X42 (mainboard) and between connection contact 8/plug X1 (DMS) to contact 9 DINZ/plug X42 (mainboard). 2. If the connection is OK, replace the drawer metering system. 3. If an interruption is detected, check the contacts for their correct position in the plug . Check the interface connector/interface cable. Replace the interface cable. g) Replace the control electronics.
426	MT10E DTA/ MT10E DTB	The cleaning agent could not be metered. Please check the filling level and the metering hose. Then start the additional program Air removal.	No cleaning agent is pumped. a) The cleaning agent container has been exhausted or air is being transported. b) The hose to the suction lance is kinked. c) Air bubbles have developed in the metering system after long immobilization times.	to a) 1. Replace the cleaning agent container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program. to b) 1. Eliminate any kinks or pinch points on the process agent hoses. 2. Start the "Air removal" program. to c) Start the "Air removal" program.	Measuring turbine cleaning agent DINZ 03 does not register a pulse. Pulse rate 0 pulse/sec. a) Metering pump defective b) Hose system crushed c) Hose system blocked, suction lance blocked d) Metering turbine blocked by crystallization of the media e) Measuring turbine defective f) Drawer metering system (DMS) defective or cable break or inadequate contacting g) Control electronics defective	Perform work with gloves and goggles! Rinse the metering system with water. Perform all investigations with water as a replacement media. Working in the Diagnosis menu, access DCOUT 01. Open the door with the emergency release. Activate DCOUT 01. Check whether process agent flows into the washing chamber. Monitor the pulse rate. a) Check the function of the cleaning agent metering pump. Pump without function Proceed as with 163. b) Check hose system for visible crushing. Create free installation. c) Check the hose system and suction lance for blockage. Starting from washing chamber inflow, open the system. By activating DCOUT 01, localize the blockage and remove. d) Remove the measuring turbine, open and clean. Re-install. Evaluate pulse rate. - Good from 4-10 pulse/sec. Start the air removal program as an intermediate test. e) Critical from 0-4 pulse/sec. Replace the measuring turbine. f) 1. Check the signal path to the mainboard. Check connection contact 1/plug X1 (DMS) to contact contact 8 DINZ3+/plug X42 (mainboard) and between connection contact 8/plug X1 (DMS) to contact 9 DINZ/plug X42 (mainboard). 2. If the connection is OK, replace the drawer metering system. 3. If an interruption is detected, check the contacts for their correct position in the plug . Check the interface connector/interface cable. Replace the interface cable. g) Replace the control electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
427	MT10 DTA/ MT10 DTB	Air bubble format. N Start air removal: If failed inform service F427	No neutralizer is pumped. a) The neutralizer container has been exhausted or air is being transported. b) The hose to the suction lance is kinked. c) Air bubbles have developed in the metering system after long immobilization times.	to a) 1. Replace the neutralizer container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program. to b) 1. Eliminate any kinks or pinch points on the process agent hoses. 2. Start the "Air removal" program. to c) Start the "Air removal" program.	Measuring turbine neutralizer DINZ 03 does not register a pulse. Pulse rate 0 pulse/sec. a) Metering pump defective b) Hose system crushed c) Hose system blocked, suction lance blocked d) Metering turbine blocked by crystallization of the media e) Measuring turbine defective f) Drawer metering system (DMS) defective or cable break in the cable harness or inadequate contacting g) Control electronics defective	Perform work with gloves and goggles! Rinse the metering system with water. Perform all investigations with water as a replacement media. Working in the Diagnosis menu, access DCOUT 02. Open the door with the emergency release. Activate DCOUT 02. Check whether process agent flows into the washing chamber. Monitor the pulse rate. a) Check the function of the neutralizer metering pump. Pump without function Proceed as with 167. b) Check hose system for visible crushing. Create free installation. c) Check the hose system and suction lance for blockage. Starting from washing chamber inflow, open the system. By activating DCOUT 02, localize the blockage and remove. d) Remove the measuring turbine, open and clean. Re-install. Evaluate pulse rate. - Good from 4-10 pulse/sec. Start the air removal program as an intermediate test. e) Critical 0-4 pulse/sec. Replace the measuring turbine. f) 1. Check the signal path to the mainboard. Check connection contact 1/plug X1 (DMS) to contact contact 8 DINZ3+/plug X42 (mainboard) and between connection contact 8/plug X1 (DMS) to contact 9 DINZ/plug X42 (mainboard). 2. If the connection is OK, replace the drawer metering system. 3. If an interruption is detected, check the contacts for their correct position in the plug . Check the interface connector/interface cable. Replace the interface cable. c) Replace the control electronics.
427	MT10E DTA/ MT10E DTB	The neutralizer could not be metered. Please check the filling level and the metering hose. Then start the additional program Air removal.	No neutralizer is pumped. a) The neutralizer container has been exhausted or air is being transported. b) The hose to the suction lance is kinked. c) Air bubbles have developed in the metering system after long immobilization times.	to a) 1. Replace the neutralizer container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program. to b) 1. Eliminate any kinks or pinch points on the process agent hoses. 2. Start the "Air removal" program. to c) Start the "Air removal" program.	Measuring turbine neutralizer DINZ 03 does not register a pulse. Pulse rate 0 pulse/sec. a) Metering pump defective b) Hose system crushed c) Hose system blocked, suction lance blocked d) Metering turbine blocked by crystallization of the media e) Measuring turbine defective f) Drawer metering system (DMS) defective or cable break in the cable harness or inadequate contacting g) Control electronics defective	Perform work with gloves and goggles! Rinse the metering system with water. Perform all investigations with water as a replacement media. Working in the Diagnosis menu, access DCOUT 02. Open the door with the emergency release. Activate DCOUT 02. Check whether process agent flows into the washing chamber. Monitor the pulse rate. a) Check the function of the neutralizer metering pump. Pump without function Proceed as with 167. b) Check hose system for visible crushing. Create free installation. c) Check the hose system and suction lance for blockage. Starting from washing chamber inflow, open the system. By activating DCOUT 02, localize the blockage and remove. d) Remove the measuring turbine, open and clean. Re-install. Evaluate pulse rate. - Good from 4-10 pulse/sec. Start the air removal program as an intermediate test. e) Critical 0-4 pulse/sec. Replace the measuring turbine. f) 1. Check the signal path to the mainboard. Check connection contact 1/plug X1 (DMS) to contact contact 8 DINZ3+/plug X42 (mainboard) and between connection contact 8/plug X1 (DMS) to contact 9 DINZ/plug X42 (mainboard). 2. If the connection is OK, replace the drawer metering system. 3. If an interruption is detected, check the contacts for their correct position in the plug . Check the interface connector/interface cable. Replace the interface cable. c) Replace the control electronics.
428	MT10 DTA/ MT10 DTB	Warning 428 QUIT●4 Please refill salt soon W428	There is almost no regenerating salt left.	Fill regenerating salt, see information in the user manual.	DIN 06 control query brine defective. Warning displayed even after regenerating salt has been filled. a) Float in salt container (SC) does not float up b) No signal change 1. Reed contact on the salt container is defective 2. Cable break in the cable harness or inadequate contacting	Float salt container (SC) below reed contact SC closed, display DIN 06 is 1. Float salt container (SC) below floating above reed contact SC closed, display DIN 06 is 0. a) Float salt container blocked after filling with salt. The salt crystals have fallen in the float switch duct unsuitably. 1. Light tapping against the salt container frees the blockage. 2. Start manual regeneration to flush the salt container. 3. Float switch duct free. The float has taken on water and cannot rise. Replace the salt container. b) Lift the float manually. Check the salt container reed contact switching signal. 1. Reed contact remains closed. Replace the salt container. 2. The reed contact opens. Disconnect the plug from the reed contact. Measure the resistance between contact 8 DIN6/plug X43 and contact 10 DIN+/plug X10. Check for short circuit.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
428	MT10E DTA/ MT10E DTB	There is almost no regeneration salt left. Re-fill the regenerating salt soon.	There is almost no regenerating salt left.	Fill regenerating salt, see information in the user manual.	DIN 06 control query brine defective. Warning displayed even after regenerating salt has been filled. a) Float in salt container (SC) does not float up b) No signal change 1. Reed contact on the salt container is defective 2. Cable break in the cable harness or inadequate contacting	Float salt container (SC) below reed contact SC closed, display DIN 06 is 1. Float salt container (SC) below floating above reed contact SC closed, display DIN 06 is 0. a) Float salt container blocked after filling with salt. The salt crystals have fallen in the float switch duct unsuitably. 1. Light tapping against the salt container frees the blockage. 2. Start manual regeneration to flush the salt container. 3. Float switch duct free. The float has taken on water and cannot rise. Replace the salt container. b) Lift the float manually. Check the salt container reed contact switching signal. 1. Reed contact remains closed. Replace the salt container. 2. The reed contact opens. Disconnect the plug from the reed contact. Measure the resistance between contact 8 DIN6/plug X43 and contact 10 DIN+/plug X10. Check for short circuit.
431	MT10 DTA/ MT10 DTB	Error 431 QUIT●4 Min. feed rate R not reached Start Air removal F431	No cleaning agent is pumped. a) The cleaning agent container has been exhausted or is nearly empty. b) The hose to the suction lance is kinked. c) Air bubbles have developed in the metering system after long immobilization times.	to a) 1. Replace the cleaning agent container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program. to b) 1. Eliminate any kinks or pinch points on the process agent hoses. 2. Start the "Air removal" program. to c) Start the "Air removal" program.	The measuring turbine cleaning agent DINZ 03 counts less than 3 pulses/sec. a) Insufficient cleaning agent is pumped. 1. Metering pump defective 2. Hose system crushed 3. Hose system blocked, suction lance blocked 4. Measuring turbine blocked by crystallization of the media b) Insufficient pulses recognized. 1. Measuring turbine defective 2. Drawer metering system (DMS) defective 3. Cable break in the cable harness or inadequate contacting 4. Defective control electronics	CAUTION! Perform work with gloves and goggles! Rinse the metering system with water. Perform all investigations with water as a replacement media. a) Working in the Diagnosis menu, activate DCOUT 01, the number of pulses must be between 5-10 pulses/sec. Check the delivery volume of the metering pump using precision scales. Place the suction lance in a container full with water. Activate DCOUT 01 for 60 s. If the weight of the extracted water lies under 60 g. 1. Check the function of the cleaning agent metering pump. Working in the Diagnosis menu, activate DCOUT 01 Metering pump R. 10 revolutions in approx. 7 sec. are required. Otherwise, replace the pump. 2. Check the hose for visible crushing. Create free installation. 3. Check the hose system and suction lance for blockage. Starting from washing chamber inflow, open the system. By activating DCOUT 01, localize and remedy the blockage. 4. Remove the measuring turbine, open and clean. Re-install. Evaluate pulse rate. Good from 4-10 pulse/sec. Start Air removal program as as intermediate test. b) 1. Replace the measuring turbine. 2. Check the connection GND between contact 8/plug X1 (DMS) to contact 9 DINZ/plug X42 (mainboard). Check contacts for correct position in plug. Check the interface connector cable harness/interface cable and replace the interface cable if necessary. 3. Replace the drawer metering system. 4. Replace the control electronics.
431	MT10E DTA/ MT10E DTB	The cleaning agent could not be metered. Please check the filling level and the metering hose. Then start the additional program Air removal.	No cleaning agent is pumped. a) The cleaning agent container has been exhausted or is nearly empty. b) The hose to the suction lance is kinked. c) Air bubbles have developed in the metering system after long immobilization times.	to a) 1. Replace the cleaning agent container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program. to b) 1. Eliminate any kinks or pinch points on the process agent hoses. 2. Start the "Air removal" program. to c) Start the "Air removal" program.	The measuring turbine cleaning agent DINZ 03 counts less than 3 pulses/sec. a) Insufficient cleaning agent is pumped. 1. Metering pump defective 2. Hose system crushed 3. Hose system blocked, suction lance blocked 4. Measuring turbine blocked by crystallization of the media b) Insufficient pulses recognized. 1. Measuring turbine defective 2. Drawer metering system (DMS) defective 3. Cable break in the cable harness or inadequate contacting 4. Defective control electronics	CAUTION! Perform work with gloves and goggles! Rinse the metering system with water. Perform all investigations with water as a replacement media. a) Working in the Diagnosis menu, activate DCOUT 01, the number of pulses must be between 5-10 pulses/sec. Check the delivery volume of the metering pump using precision scales. Place the suction lance in a container full with water. Activate DCOUT 01 for 60 s. If the weight of the extracted water lies under 60 g. 1. Check the function of the cleaning agent metering pump. Working in the Diagnosis menu, activate DCOUT 01 Metering pump R. 10 revolutions in approx. 7 sec. are required. Otherwise, replace the pump. 2. Check the hose for visible crushing. Create free installation. 3. Check the hose system and suction lance for blockage. Starting from washing chamber inflow, open the system. By activating DCOUT 01, localize and remedy the blockage. 4. Remove the measuring turbine, open and clean. Re-install. Evaluate pulse rate. Good from 4-10 pulse/sec. Start Air removal program as as intermediate test. b) 1. Replace the measuring turbine. 2. Check the connection GND between contact 8/plug X1 (DMS) to contact 9 DINZ/plug X42 (mainboard). Check contacts for correct position in plug. Check the interface connector cable harness/interface cable and replace the interface cable if necessary. 3. Replace the drawer metering system. 4. Replace the control electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
432	MT10 DTA/ MT10 DTB	Error 432 QUIT●4 Min. feed rate N not reached. Start Air removal F432	No neutralizer is pumped. a) The neutralizer container has been exhausted or is nearly empty. b) The hose to the suction lance is kinked. c) Air bubbles have developed in the metering system after long immobilization times.	to a) 1. Replace the neutralizer container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program. to b) 1. Eliminate any kinks or pinch points on the process agent hoses. 2. Start the "Air removal" program. to c) Start the "Air removal" program.	The measuring turbine neutralizer DINZ 03 counts less than 3 pulses/sec. a) Insufficient cleaning agent is pumped. 1. Metering pump defective 2. Hose system crushed 3. Hose system blocked, suction lance blocked 4. Measuring turbine blocked by crystallization of the media b) Insufficient pulses recognized. 1. Measuring turbine defective 2. Drawer metering system (DMS) defective 3. Cable break in the cable harness or inadequate contacting 4. Defective control electronics	CAUTION! Perform work with gloves and goggles! Rinse the metering system with water. Perform all investigations with water as a replacement media. a) Working in the Diagnosis menu, activate DCOUT 02, the number of pulses must be between 5-10 pulses/sec. Check the delivery volume of the metering pump using precision scales. Place the suction lance in a container full with water. Activate DCOUT 01 for 60 s. If the weight of the extracted water lies under 60 g. 1. Check the function of the cleaning agent metering pump. Working in the Diagnosis menu, activate DCOUT 02 Metering pump N. 10 revolutions in approx. 7 sec. are required. Otherwise, replace the pump. 2. Check the hose for visible crushing. Create free installation. 3. Check the hose system and suction lance for blockage. Starting from washing chamber inflow, open the system. By activating DCOUT 02, localize and remedy the blockage. 4. Remove the measuring turbine, open and clean. Re-install. Evaluate pulse rate. Good from 4-10 pulse/sec. Start Air removal program as as intermediate test. b) 1. Replace the measuring turbine. 2. Check the connection GND between contact 8/plug X1 (DMS) to contact 9 DINZ/plug X42 (mainboard). Check contacts for correct position in plug. Check the interface connector cable harness/interface cable and replace the interface cable if necessary. 3. Replace the drawer metering system. 4. Replace the control electronics.
432	MT10E DTA/ MT10E DTB	The neutralizer could not be metered. Please check the filling level and the metering hose. Then start the additional program Air removal.	No neutralizer is pumped. a) The neutralizer container has been exhausted or is nearly empty. b) The hose to the suction lance is kinked. c) Air bubbles have developed in the metering system after long immobilization times.	to a) 1. Replace the neutralizer container, working in accordance with the working safety regulations. Alternatively, refill. NOTICE! Use only process agents which you have used before. 2. Start the "Air removal" program. to b) 1. Eliminate any kinks or pinch points on the process agent hoses. 2. Start the "Air removal" program. to c) Start the "Air removal" program.	The measuring turbine neutralizer DINZ 03 counts less than 3 pulses/sec. a) Insufficient cleaning agent is pumped. 1. Metering pump defective 2. Hose system crushed 3. Hose system blocked, suction lance blocked 4. Measuring turbine blocked by crystallization of the media b) Insufficient pulses recognized. 1. Measuring turbine defective 2. Drawer metering system (DMS) defective 3. Cable break in the cable harness or inadequate contacting 4. Defective control electronics	CAUTION! Perform work with gloves and goggles! Rinse the metering system with water. Perform all investigations with water as a replacement media. a) Working in the Diagnosis menu, activate DCOUT 02, the number of pulses must be between 5-10 pulses/sec. Check the delivery volume of the metering pump using precision scales. Place the suction lance in a container full with water. Activate DCOUT 01 for 60 s. If the weight of the extracted water lies under 60 g. 1. Check the function of the cleaning agent metering pump. Working in the Diagnosis menu, activate DCOUT 02 Metering pump N. 10 revolutions in approx. 7 sec. are required. Otherwise, replace the pump. 2. Check the hose for visible crushing. Create free installation. 3. Check the hose system and suction lance for blockage. Starting from washing chamber inflow, open the system. By activating DCOUT 02, localize and remedy the blockage. 4. Remove the measuring turbine, open and clean. Re-install. Evaluate pulse rate. Good from 4-10 pulse/sec. Start Air removal program as as intermediate test. b) 1. Replace the measuring turbine. 2. Check the connection GND between contact 8/plug X1 (DMS) to contact 9 DINZ/plug X42 (mainboard). Check contacts for correct position in plug. Check the interface connector cable harness/interface cable and replace the interface cable if necessary. 3. Replace the drawer metering system. 4. Replace the control electronics.
433	MT10 DTA/ MT10 DTB	Error 433 QUIT●4 F433 Please see user manual F433	Water is in the pump pit after pumping out. a) The coarse or fine sieve is soiled. b) The non-return valve in the pump pit is missing or fitted incorrectly. c) The non-return valve is blocked by a foreign body.	to a) Clean the coarse and fine sieve, see information in the user manual. to b) Insert the non-return valve in the pump pit correctly, see information in the user manual. to c) Check the non-return valve for foreign bodies and remove them if you find any.	Level pressure sensor (30 mbar) AIN 07 reaches 0 mbar for a short time, after deactivating the drain pump, the level in the pump pit rises above 2 mbar. a) Non-return valve defective b) Level pressure sensor defective	a) Working in the Diagnosis menu, access ACOUT 04 Drain pump. Open the door with the emergency release. Remove the coarse/fine sieve. Press down the manual non-return valve. Activate DCOUT 04 until the pump pit has been emptied. Then deactivate ACOUT 04. If the level in the pump pit increases (more than 2 cm) the non-return valve has leaks. Replace the non-return valve. b) Working in the Diagnosis menu, check AIN 07. Good if 0-1 mbar, otherwise replace pressure sensor.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
433	MT10E DTA/ MT10E DTB	The water could not be pumped away completely. Please clean the coarse and fine sieve and the non-return valve in the pump pit.	Water is in the pump pit after pumping out. a) The coarse or fine sieve is soiled. b) The non-return valve in the pump pit is missing or fitted incorrectly. c) The non-return valve is blocked by a foreign body.	to a) Clean the coarse and fine sieve, see information in the user manual. to b) Insert the non-return valve in the pump pit correctly, see information in the user manual. to c) Check the non-return valve for foreign bodies and remove them if you find any.	Level pressure sensor (30 mbar) AIN 07 reaches 0 mbar for a short time, after deactivating the drain pump, the level in the pump pit rises above 2 mbar. a) Non-return valve defective b) Level pressure sensor defective	a) Working in the Diagnosis menu, access ACOU 04 Drain pump. Open the door with the emergency release. Remove the coarse/fine sieve. Press down the manual non-return valve. Activate DCOU 04 until the pump pit has been emptied. Then deactivate ACOU 04. If the level in the pump pit increases (more than 2 cm) the non-return valve has leaks. Replace the non-return valve. b) Working in the Diagnosis menu, check AIN 07. Good if 0-1 mbar, otherwise replace pressure sensor.
434	MT10 DTA/ MT10 DTB	Error 434 QUIT●4 F434 Please see user manual F434	Water is in the pump pit after pumping out. a) The coarse or fine sieve is soiled. b) The non-return valve in the pump pit is missing or fitted incorrectly. c) The non-return valve is blocked by a foreign body. d) The outlet hose is kinked. e) The siphon or outlet hose is blocked.	to a) Clean the coarse and fine sieve, see information in the user manual. to b) Insert the non-return valve in the pump pit correctly, see information in the user manual. to c) Check the non-return valve for foreign bodies and remove them if you find any. to d) Check the installation of the outlet hose to e) Check the siphon and the outlet hose for blockage.	Level pressure sensor AIN 07 does not reach 0 mbar. Monitoring time exceeded during pumping out. a) Drain pump defective or blocked b) Non-return valve blocked or leaks c) Air trap in the pump pit blocked. Hose between the pump pit and the level pressure sensor blocked or kinked. d) Level sensor defective	a) 1. If remaining water is determined in the pump pit, access ACOU 04 in the Diagnosis menu and activate the drain pump. Acoustic check of the drain pump, check water level and displayed level pressure. 2. Drain pump function can hardly be heard or not at all. Let out water via the emergency release pump pit and remove the drain pump. Check for blockages. Check the wheel for its fixed connection with the axle. Check the resistance of the pump coil for passage. Interruption detected. Replace the drain pump. b) The function of the drain pump is determined acoustically. Water level and level pressure do not fall. Replace the non-return valve. c) Clean the pump pit. Blow out the hose between the pump pit and the level pressure sensor. d) Pressure sensor "level" AIN 07 is defective, replace the pressure sensor "level".
434	MT10E DTA/ MT10E DTB	The water could not be pumped away completely. Please remove the soiling and residue from the coarse and fine sieve and the non-return valve in the pump pit.	Water is in the pump pit after pumping out. a) The coarse or fine sieve is soiled. b) The non-return valve in the pump pit is missing or fitted incorrectly. c) The non-return valve is blocked by a foreign body. d) The outlet hose is kinked. e) The siphon or outlet hose is blocked.	to a) Clean the coarse and fine sieve, see information in the user manual. to b) Insert the non-return valve in the pump pit correctly, see information in the user manual. to c) Check the non-return valve for foreign bodies and remove them if you find any. to d) Check the installation of the outlet hose to e) Check the siphon and the outlet hose for blockage.	Level pressure sensor AIN 07 does not reach 0 mbar. Monitoring time exceeded during pumping out. a) Drain pump defective or blocked b) Non-return valve blocked or leaks c) Air trap in the pump pit blocked. Hose between the pump pit and the level pressure sensor blocked or kinked. d) Level sensor defective	a) 1. If remaining water is determined in the pump pit, access ACOU 04 in the Diagnosis menu and activate the drain pump. Acoustic check of the drain pump, check water level and displayed level pressure. 2. Drain pump function can hardly be heard or not at all. Let out water via the emergency release pump pit and remove the drain pump. Check for blockages. Check the wheel for its fixed connection with the axle. Check the resistance of the pump coil for passage. Interruption detected. Replace the drain pump. b) The function of the drain pump is determined acoustically. Water level and level pressure do not fall. Replace the non-return valve. c) Clean the pump pit. Blow out the hose between the pump pit and the level pressure sensor. d) Pressure sensor "level" AIN 07 is defective, replace the pressure sensor "level".
440	MT10 DTA/ MT10 DTB	Only in program and system log Program abort by user	The current program has been terminated prematurely. The load is classed as not cleaned and disinfected.	WARNING! Danger of contamination 1. Acknowledge the message with the key 4. 2. Press the keys indicated in the display.	A defect on the keypad results in unintended keystrokes/entries.	Replace the operating cover.
440	MT10E DTA/ MT10E DTB	Only in program and system log Program abort by user	The current program has been terminated prematurely. The load is classed as not cleaned and disinfected.	WARNING! Danger of contamination Press CONFIRM to acknowledge the message.	A defect on the keypad results in unintended keystrokes/entries.	Replace the operating cover.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
447	MT10 DTA/ MT10 DTB	Only in system log Warning 447 System F447	The rinse pressure in the washing chamber is too low. Large containers with the opening pointing upwards may have been sorted into the device. This diverts water from the rinsing process.	Setup the containers with their openings facing downwards.	The temperature increased too quickly during heating up. a) Rinse arm revolutions above very low. Re-circulation temperature sensors washing chamber very low. Temperature jumps develop during the measurement. b) Flow heater defective c) Both washing chamber temperature sensors are defective d) The malfunction can develop through changing the factory parameters	Max. gradient during heating DTB: 6 K/min DTA: 18 K/min a) Observe the RPM of the upper rinse arm during the heating up phase in the program run. Critical 3-5 RPM. b) Check the flow heater. c) Check the washing chamber temperature sensors. d) Reset to factory parameters or perform a new parameter update
447	MT10E DTA/ MT10E DTB	The rinse pressure in the washing chamber is too high. Please ensure that all containers have been inserted in the device with the aperture pointing downwards.	The rinse pressure in the washing chamber is too low. Large containers with the opening pointing upwards may have been sorted into the device. This diverts water from the rinsing process.	Setup the containers with their openings facing downwards.	The temperature increased too quickly during heating up. a) Rinse arm revolutions above very low. Re-circulation temperature sensors washing chamber very low. Temperature jumps develop during the measurement. b) Flow heater defective c) Both washing chamber temperature sensors are defective d) The malfunction can develop through changing the factory parameters	Max. gradient during heating DTB: 6 K/min DTA: 18 K/min a) Observe the RPM of the upper rinse arm during the heating up phase in the program run. Critical 3-5 RPM. b) Check the flow heater. c) Check the washing chamber temperature sensors. d) Reset to factory parameters or perform a new parameter update

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
449	MT10 DTA/ MT10 DTB	Error 449 QUIT●4 System F449 Fine filter possibly blocked	<p>The rinse pressure in the washing chamber is too low.</p> <p>a) The water inflow is insufficient.</p> <p>b) The basis basket has been inserted incorrectly or not at all.</p> <p>c) Too many non-filled apertures on the injector rail.</p> <p>d) The coarse or fine sieve is soiled.</p> <p>e) Large containers with the opening pointing upwards may have been sorted into the device. This diverts water from the rinsing process.</p> <p>f) Strong foam generation: the instruments have been pre-cleaned with a foam-generating solution and have then been subject to insufficient rinsing.</p> <p>g) Strong foam generation: strong soiling of the filter disc in the universal adapter for transmission instruments.</p> <p>h) Strong foam generation: unsuitable process agents (rinse aid or cleaning agent) have been used.</p>	<p>to a) Check the water inflow of the device. Open the water inflow tap completely.</p> <p>to b) Insert the basis basket in the washing chamber correctly, see information in the user manual.</p> <p>to c) Seal non-filled apertures on the injector rail with a sealing screw.</p> <p>to d) Remove and clean the coarse and fine sieve, see information in the user manual.</p> <p>to e) Sort the containers in the device with their openings facing downwards.</p> <p>to f) Rinse the instruments thoroughly before reprocessing.</p> <p>to g) Remove and replace the soiled filter disc. Clean the reusable filter screen.</p> <p>to h) Use only those process agents suitable for this device.</p>	<p>Insufficient rinse pressure during heating</p> <p>The minimum rinse pressure of 50 mbar is not reached within 60 sec. of starting the circulation pump.</p> <p>a) Strong foam generation: from carry-over of process agents resulting from</p> <ol style="list-style-type: none"> 1. Soiling of the adapter filter, 2. Leaking non-return valve in the pump pit <p>b) Water inflow rate below 2 l/min</p> <ol style="list-style-type: none"> 1. Insufficient domestic installation 2. Internal water inflow line blocked <p>c) The level and rinse pressure fall quickly to 0 bar after or during the water inflow. Device loses water via</p> <ol style="list-style-type: none"> 1. Outlet hose, suction effect in the water outflow system empties the washing chamber, 2. Non-return valve of the air diffuser leaks <p>d) Pump blocked</p> <p>e) Circulation pump without function</p> <ol style="list-style-type: none"> 1. Pump or condenser defective 2. Control electronics defective <p>f) Faulty rinse pressure measurement</p> <ol style="list-style-type: none"> 1. Rinsing pressure sensor defective 2. Input AIN 09 interrupted. Defective control electronics. 	<p>a) Check the chamber for strong foam generation: after the program abort. Possible cause carry over of process agents.</p> <ol style="list-style-type: none"> 1. Insert the filter in adapters for transmission instruments. 2. Working in the Diagnosis menu, activate ACOU 04 Drain pump. Open the door with the emergency release. Remove the coarse/fine sieve. Press down the manual non-return valve. Activate DCOU 04 until pump pit has been emptied. Then deactivate ACOU 04. If the level in the pump pit rises again (by more than 3 cm) replace the non-return valve. b) Working in the Diagnosis menu, activate DCOU 04 SV cold water and 08 SV CW Aqua-Stop. Read off the flow rate. When having a DI water connection, activate DCOU 07 SV DI Aqua-Stop in the Diagnosis menu. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Check the components of the CW inflow line. Inflow hose SV Aqua-Stop in the DI inflow hose; water softening module, 3-way valve. c) Start the Rinsing program with MELAview or in the Status menu S04 liquor level pressure, monitor the rinse pressure in the program run. 1. Outlet height too low, min. 40 cm, or connection of the outlet hose to a non-ventilated insufficiently dimensioned wastewater system. 2. Remove the hose between the drying heater and the air diffuser non-return valve. Start the Rinsing program. If water escapes, replace the air diffuser non-return valve. d) Check the circulation pump for foreign bodies. e) Check the voltage supply with a load meter. When the output is switched, 230 V must be present on multi point connectors X41 contact 2 and 6. 1. Voltage determined: Replace the circulation pump and condenser. 2. No voltage determined: Control electronics defective. f) Level pressure rises to 10-16 mbar, after start of the UP the level pressure sinks to 7-14 mbar, rinse arm revolutions > 10 RPM, rinse pressure < 50 mbar. Normal operating noises: <ol style="list-style-type: none"> 1. Replace the rinse pressure sensor. 2. Replace the control electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
449	MT10E DTA/ MT10E DTB	The rinse pressure has not been achieved. Please check the correct load and clean the coarse and fine sieve.	The rinse pressure in the washing chamber is too low. a) The water inflow is insufficient. b) The basis basket has been inserted incorrectly or not at all. c) Too many non-filled apertures on the injector rail. d) The coarse or fine sieve is soiled. e) Large containers with the opening pointing upwards may have been sorted into the device. This diverts water from the rinsing process. f) Strong foam generation: the instruments have been pre-cleaned with a foam-generating solution and have then been subject to insufficient rinsing. g) Strong foam generation: strong soiling of the filter disc in the universal adapter for transmission instruments. h) Strong foam generation: unsuitable process agents (rinse aid or cleaning agent) have been used.	to a) Check the water inflow of the device. Open the water inflow tap completely. to b) Insert the basis basket in the washing chamber correctly, see information in the user manual. to c) Seal non-filled apertures on the injector rail with a sealing screw. to d) Remove and clean the coarse and fine sieve, see information in the user manual. to e) Sort the containers in the device with their openings facing downwards. to f) Rinse the instruments thoroughly before reprocessing. to g) Remove and replace the soiled filter disc. Clean the reusable filter screen. to h) Use only those process agents suitable for this device.	Insufficient rinse pressure during heating The minimum rinse pressure of 50 mbar is not reached within 60 sec. of starting the circulation pump. a) Strong foam generation: from carry-over of process agents resulting from 1. Soiling of the adapter filter, 2. Leaking non-return valve in the pump pit b) Water inflow rate below 2 l/min. 1. Insufficient domestic installation 2. Internal water inflow line blocked c) The level and rinse pressure fall quickly to 0 bar after or during the water inflow. Device loses water via 1. Outlet hose, suction effect in the water outflow system empties the washing chamber, 2. Non-return valve of the air diffuser leaks d) Pump blocked e) Circulation pump without function 1. Pump or condenser defective 2. Control electronics defective f) Faulty rinse pressure measurement 1. Rinsing pressure sensor defective 2. Input AIN 09 interrupted. Defective control electronics.	a) Check the chamber for strong foam generation: after the program abort. Possible cause carry over of process agents. 1. Insert the filter in adapters for transmission instruments. 2. Working in the Diagnosis menu, activate ACOU 04 Drain pump. Open the door with the emergency release. Remove the coarse/fine sieve. Press down the manual non-return valve. Activate DCOU 04 until pump pit has been emptied. Then deactivate ACOU 04. If the level in the pump pit rises again (by more than 3 cm) replace the non-return valve. b) Working in the Diagnosis menu, activate DCOU 04 SV cold water and 08 SV Aqua-Stop CW. Read off the flow rate. When having a DI water connection, activate DCOU 07 SV Aqua-Stop DI in the Diagnosis menu. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Check the components of the CW inflow line. Inflow hose SV Aqua-Stop in the DI inflow hose; water softening module, 3-way valve. c) Start the Rinsing program and monitor the rinse pressure during program run with MELAview or in the "Status > Rinse arm monitoring" menu. 1. Outlet height too low, min. 40 cm, or connection of the outlet hose to a non-ventilated insufficiently dimensioned wastewater system. 2. Remove the hose between the drying heater and the air diffuser non-return valve. Start the Rinsing program. If water escapes, replace the air diffuser non-return valve. d) Check the circulation pump for foreign bodies. e) Check the voltage supply with a load meter. When the output is switched, 230 V must be present on multi point connectors X41 contact 2 and 6. 1. Voltage determined: Replace the circulation pump and condenser. 2. No voltage determined: Control electronics defective. f) Level pressure rises to 10-16 mbar, after start of the UP the level pressure sinks to 7-14 mbar, rinse arm revolutions > 10 RPM, rinse pressure < 50 mbar. Normal operating noises: 1. Replace the rinse pressure sensor. 2. Replace the control electronics.
450	MT10 DTA/ MT10 DTB	Warning 450 QUIT●4 System W450	The water inflow is insufficient.	Check the water supply of the device. Open the water inflow tap completely.	Temperature increase of DTB: 1 K/min DTA: 3 K/min is not achieved. a) Water inflow rate under 3 l/min. The sensors are bathed with warmed water only late. b) The flow heater does not work at full performance c) Both washing chamber temperature sensors are defective d) The malfunction can develop through alteration of the factory parameters.	a) Working in the Diagnosis menu, activate DCOU 04 SV cold water and 08 SV Aqua-Stop CW. Read off the flow rate. When having a DI water connection, activate DCOU 07 SV DI Aqua-Stop working in the Diagnosis menu. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Check the components of the CW inflow line. Inflow hose SV Aqua-Stop in DI inflow hose; water softening module, 3-way valve. b) Check flow heater: 1. Check safety temperature limiter and heater resistances (R1-4). R1 = 53 Ohm; R2 = 26 Ohm; R3/R4 = 18 Ohm 2. Check the voltage supply, check the cable harness if necessary. c) Check the washing chamber temperature sensors. d) Reset to factory parameters or perform a new parameter update.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
450	MT10E DTA/ MT10E DTB	The heating performance of the flow heater is insufficient. Please contact technical services.	The water inflow is insufficient.	Check the water supply of the device. Open the water inflow tap completely.	Temperature increase of DTB: 0,5 K/min DTA: 1,8 K/min is not achieved. a) Water inflow rate under 3 l/min. The sensors are bathed with warmed water only late. b) The flow heater does not work at full performance c) Both washing chamber temperature sensors are defective d) The malfunction can develop through alteration of the factory parameters.	a) Working in the Diagnosis menu, activate DCOUT 04 SV cold water and 08 SV Aqua-Stop CW. Read off the flow rate. When having a DI water connection, activate DCOUT 07 SV DI Aqua-Stop working in the Diagnosis menu. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Check the components of the CW inflow line. Inflow hose SV Aqua-Stop in DI inflow hose; water softening module, 3-way valve. b) Check flow heater: 1. Check safety temperature limiter and heater resistances (R1-3). R1 = 20 Ohm; R2/R3 = 15 Ohm 2. Check the voltage supply, check the cable harness if necessary. c) Check the washing chamber temperature sensors. d) Reset to factory parameters or perform a new parameter update.
451	MT10 DTA/ MT10 DTB	Error 451 QUIT●4 F451 Please see user manual F451	The temperature difference between the two temperature sensors in the washing chamber is too great. The temperature sensors were not covered with water sufficiently. The upper rinse arm revolves too slowly.	Clean the upper rinse arm and check its ease of movement.	The temperature difference between the washing chamber temperature sensors is larger than 2K. a) One of the washing chamber temperature sensors measures an incorrect temperature. b) The temperatures are evaluated incorrectly	a) Replace both washing chamber temperature sensors. b) Replace the control electronics.
451	MT10E DTA/ MT10E DTB	The temperature sensors were not covered with water equally. Please check the upper rinse arm for ease of movement and soiling.	The temperature difference between the two temperature sensors in the washing chamber is too great. The temperature sensors were not covered with water sufficiently. The upper rinse arm revolves too slowly.	Clean the upper rinse arm and check its ease of movement.	The temperature difference between the washing chamber temperature sensors is larger than 2K. a) One of the washing chamber temperature sensors measures an incorrect temperature. b) The temperatures are evaluated incorrectly	a) Replace both washing chamber temperature sensors. b) Replace the control electronics.
452	MT10 DTA/ MT10 DTB	Error 452 QUIT●4 System F452	This malfunction can only be remedied by a service technician.	Please contact technical services.	Monitoring time heating exceeded. a) Water inflow rate under 3 l/min. The sensors are bathed with warmed water only late. b) The flow heater does not work at full performance. c) Both washing chamber temperature sensors are defective. d) The malfunction can develop through alteration of the factory parameters.	a) Working in the Diagnosis menu, activate DCOUT 04 SV cold water and 08 SV CW Aqua-Stop. Read off the flow rate. When having a DI water connection, activate DCOUT 07 SV DI Aqua-Stop in the Diagnosis menu. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Check the components of the CW inflow line. Inflow hose SV Aqua-Stop in DI inflow hose; water softening module, 3-way valve. b) Check flow heater: 1. Check STL and heater resistances (R1-4). R1 = 53 Ohm; R2 = 26 Ohm; R3/R4 = 18 Ohm 2. Check the voltage supply, check the cable harness if necessary c) Check the washing chamber temperature sensors. d) Reset to factory parameters or perform a new parameter update.
452	MT10E DTA/ MT10E DTB	The monitoring time was exceeded during heating up. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Monitoring time heating exceeded. a) Water inflow rate under 3 l/min. The sensors are bathed with warmed water only late. b) The flow heater does not work at full performance. c) Both washing chamber temperature sensors are defective. d) The malfunction can develop through alteration of the factory parameters.	a) Working in the Diagnosis menu, activate DCOUT 04 SV cold water and 08 SV CW Aqua-Stop. Read off the flow rate. When having a DI water connection, activate DCOUT 07 SV DI Aqua-Stop in the Diagnosis menu. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Check the components of the CW inflow line. Inflow hose SV Aqua-Stop in DI inflow hose; water softening module, 3-way valve. b) Check flow heater: 1. Check STL and heater resistances (R1-3). R1 = 20 Ohm; R2/R3 = 15 Ohm 2. Check the voltage supply, check the cable harness if necessary c) Check the washing chamber temperature sensors. d) Reset to factory parameters or perform a new parameter update.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
462	MT10 DTA/ MT10 DTB	Error 462 QUIT●4 Check cold water intake F462	The water inflow is insufficient. a) The water inflow tap has not been opened completely. b) The sieve in the cold water connection is blocked. c) The cold water inflow hose is kinked.	Check the water inflow of the device. to a) Open the water inflow tap completely. to b) Remove and clean the sieve in the cold-water connection. to c) Check the installation of the cold water inflow hose.	a) CW flow rate during rinsing after regeneration under 3 l/min. 1. Insufficient water inflow via building-side installation 2. Water softening module defective b) CW flow rate during rinsing after regeneration is 0 l/min. 1. Measuring turbine CW/DI defective 2. SV CW in 3-way solenoid valve or SV CW Aqua-Stop in the inflow hose fails to open.	a) Working in the Diagnosis menu, activate DCOUT 04 SV col water and 08 SV CW Aqua-Stop. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Water softening module blocked. To check, disconnect the CW inflow hose from the removal side. Connect the DI inflow hose to this removal side. Working in the Diagnosis menu, activate DCOUT 07 SV DI Aqua-Stop. Read off the flow rate. Flow rate above 3 l/min, replace water softening module. b) Flow rate = 0 l/min 1. Water flows. Measurement turbine does not register a pulse. Measurement turbine defective. 2. Water does not flow. SV CW defective, replace the 3-way solenoid valve or cold water inflow hose.
462	MT10E DTA/ MT10E DTB	The minimum flow pressure during regeneration was undercut. Please open the water inflow tap completely.	The water inflow is insufficient. a) The water inflow tap has not been opened completely. b) The sieve in the cold water connection is blocked. c) The cold water inflow hose is kinked.	Check the water inflow of the device. to a) Open the water inflow tap completely. to b) Remove and clean the sieve in the cold-water connection. to c) Check the installation of the cold water inflow hose.	a) CW flow rate during rinsing after regeneration under 3 l/min. 1. Insufficient water inflow via building-side installation 2. Water softening module defective b) CW flow rate during rinsing after regeneration is 0 l/min. 1. Measuring turbine CW/DI defective 2. SV CW in 3-way solenoid valve or SV CW Aqua-Stop in the inflow hose fails to open.	a) Working in the Diagnosis menu, activate DCOUT 04 SV cold water and 08 SV Aqua-Stop CW. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Water softening module blocked. To check, disconnect the CW inflow hose from the removal side. Connect the DI inflow hose to this removal side. Working in the Diagnosis menu, activate DCOUT 07 SV DI Aqua-Stop. Read off the flow rate. Flow rate above 3 l/min, replace water softening module. b) Flow rate = 0 l/min 1. Water flows. Measurement turbine does not register a pulse. Measurement turbine defective. 2. Water does not flow. SV CW defective, replace the 3-way solenoid valve or cold water inflow hose.
464	MT10 DTA/ MT10 DTB	Error 464 QUIT●4 Check cold water intake F464	The water inflow is insufficient. a) The water inflow tap has not been opened completely. b) The sieve in the cold water connection is blocked. c) The cold water inflow hose is kinked.	Check the water inflow of the device. to a) Open the water inflow tap completely. to b) Remove and clean the sieve in the cold-water connection. to c) Check the installation of the cold water inflow hose.	CW flow rate is 0 l/min. a) No water inflow to the chamber 1. Insufficient water inflow via building-side installation 2. SV CW in 3-way solenoid valve or SV CW Aqua-Stop in the inflow hose fails to open. b) Water inflow into the chamber Measuring turbine CW/DI defective	Working in the Diagnosis menu, activate DCOUT 04 SV cold water and 08 SV CW Aqua-Stop. a) 1. Check the building-side water inflow. 2. SV CW or SV CW Aqua-Stop defective, replace the 3-way solenoid valve or cold water inflow hose. b) Replace the measuring turbine.
464	MT10E DTA/ MT10E DTB	It was not possible to feed sufficient cold water. Please open the water inflow tap completely.	The water inflow is insufficient. a) The water inflow tap has not been opened completely. b) The sieve in the cold water connection is blocked. c) The cold water inflow hose is kinked.	Check the water inflow of the device. to a) Open the water inflow tap completely. to b) Remove and clean the sieve in the cold-water connection. to c) Check the installation of the cold water inflow hose.	CW flow rate is 0 l/min. a) No water inflow to the chamber 1. Insufficient water inflow via building-side installation. 2. SV CW in 3-way solenoid valve or SV CW Aqua-Stop in the inflow hose fails to open. b) Water inflow into the chamber Measuring turbine CW/DI defective	Working in the Diagnosis menu, activate DCOUT 04 SV cold water and 08 SV Aqua-Stop CW. a) 1. Check the building-side water inflow. 2. SV CW or SV CW Aqua-Stop defective, replace the 3-way solenoid valve or cold water inflow hose. b) Replace the measuring turbine.
465	MT10 DTA/ MT10 DTB	Error 465 QUIT●4 F465 Please see user manual F465	This malfunction can only be remedied by a service technician.	Please contact technical services.	Parametrierization malfunction: DI water mandatory	Perform software update
465	MT10E DTA/ MT10E DTB	No DI water is available. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Parametrierization malfunction: DI water mandatory	Perform software update

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
466	MT10 DTA/ MT10 DTB	Error 466 QUIT●4 Check DI water intake F466	Insufficient DI water inflow. a) The DI water supply has been interrupted. b) The sieve in the DI water connection is blocked. c) The DI water inflow hose is kinked.	Check the DI water supply. to a) Check the DI water system for its correct function. to b) Remove and clean the sieve in the DI water connection. to c) Check the installation of the DI water inflow hose.	DI flow rate is 0 l/min. a) No DI water inflow to the chamber 1. Insufficient water inflow via building-side installation. 2. SV DI Aqua-Stop in the inflow hose fails to open. b) Water inflow into the chamber Measuring turbine CW/DI defective	Working in the Diagnosis menu, activate DCOUT 07 SV DI Aqua-Stop. a) 1. Check the building-side water inflow. 2. SV DI Aqua-Stop defective, replace the DI inflow hose. b) Replace the measuring turbine.
466	MT10E DTA/ MT10E DTB	It was not possible to feed sufficient DI water. Please check the DI water supply, e.g. via MELAdem.	Insufficient DI water inflow. a) The DI water supply has been interrupted. b) The sieve in the DI water connection is blocked. c) The DI water inflow hose is kinked.	Check the DI water supply. to a) Check the DI water system for its correct function. to b) Remove and clean the sieve in the DI water connection. to c) Check the installation of the DI water inflow hose.	DI flow rate is 0 l/min. a) No DI water inflow to the chamber 1. Insufficient water inflow via building-side installation. 2. SV DI Aqua-Stop in the inflow hose fails to open. b) Water inflow into the chamber Measuring turbine CW/DI defective	Working in the Diagnosis menu, activate DCOUT 07 SV Aqua-Stop DI. a) 1. Check the building-side water inflow. 2. SV DI Aqua-Stop defective, replace the DI inflow hose. b) Replace the measuring turbine.
467	MT10 DTA/ MT10 DTB	Error 467 QUIT●4 Check cold water intake F467	The water inflow is insufficient. a) The water inflow tap has not been opened completely. b) The sieve in the cold water connection is blocked. c) The cold water inflow hose is kinked.	Check the water inflow of the device. to a) Open the water inflow tap completely. to b) Remove and clean the sieve in the cold-water connection. to c) Check the installation of the cold water inflow hose.	CW flow rate under 1 l/min. 1. Insufficient water inflow via building-side installation. 2. Water softening module defective.	Working in the Diagnosis menu, activate DCOUT 04 SV cold water and 08 SV CW Aqua-Stop. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Water softening module blocked. To check, disconnect the cold water inflow hose from the removal side. Connect the DI inflow hose to this removal side. Working in the Diagnosis menu, activate DCOUT 07 SV DI Aqua-Stop. Read off the flow rate. Flow rate above 3 l/min, replace water softening module.
467	MT10E DTA/ MT10E DTB	Insufficient cold water inflow. Please open the water inflow tap completely.	The water inflow is insufficient. a) The water inflow tap has not been opened completely. b) The sieve in the cold water connection is blocked. c) The cold water inflow hose is kinked.	Check the water inflow of the device. to a) Open the water inflow tap completely. to b) Remove and clean the sieve in the cold water connection. to c) Check the installation of the cold water inflow hose.	CW flow rate under 1 l/min. 1. Insufficient water inflow via building-side installation. 2. Water softening module defective.	Working in the Diagnosis menu, activate DCOUT 04 SV cold water and 08 SV Aqua-Stop CW. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Water softening module blocked. To check, disconnect the cold water inflow hose from the removal side. Connect the DI inflow hose to this removal side. Working in the Diagnosis menu, activate DCOUT 07 SV Aqua-Stop DI. Read off the flow rate. Flow rate above 3 l/min, replace water softening module.
468	MT10 DTA/ MT10 DTB	Error 468 QUIT●4 Check DI water intake F468	Insufficient DI water inflow. a) The DI water supply has been interrupted. b) The sieve in the DI water connection is blocked. c) The DI water inflow hose is kinked.	Check the DI water supply. to a) Check the DI water system for its correct function. to b) Remove and clean the sieve in the DI water connection. to c) Check the installation of the DI water inflow hose.	DI flow rate under 1 l/min. 1. Insufficient water inflow via building-side installation. 2. DI water cartridge MELAdem 53 not connected correctly or vented.	Working in the Diagnosis menu, activate DCOUT 07 SV DI Aqua-Stop. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Check the connection of the DI water cartridge. Vent the cartridge.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
468	MT10E DTA/ MT10E DTB	The DI water inflow is insufficient. Please open the water inflow tap completely.	Insufficient DI water inflow. a) The DI water supply has been interrupted. b) The sieve in the DI water connection is blocked. c) The DI water inflow hose is kinked.	Check the DI water supply. to a) Check the DI water system for its correct function. to b) Remove and clean the sieve in the DI water connection. to c) Check the installation of the DI water inflow hose.	DI flow rate under 1 l/min. 1. Insufficient water inflow via building-side installation. 2. DI water cartridge MELAdem 53 not connected correctly or vented.	Working in the Diagnosis menu, activate DCOU07 SV Aqua-Stop DI. Read off the flow rate. Insufficient flow rate determined. 1. Check the building-side water inflow. 2. Check the connection of the DI water cartridge. Vent the cartridge.
471	MT10 DTA/ MT10 DTB	Error 471 QUIT●4 Door open attart	The notification is triggered through a faulty operating sequence in the DIAGNOSIS/SERVCE MENU.	Switch the device off and then on again.	The notification can be triggered by poor operation sequence in the DIAGNOSIS & SERVICE menu.	The device is in DIAGNOSIS & SERVICE menu, the door was opened via the emergency release or DIAGNOSIS & SERVICE was accessed via quick entry whilst the door was open. DIAGNOSIS & SERVICE menu has been exited. From the view of the SETUP menu, navigation to the additional program was performed with the minus key. All programs can be started. A malfunction follows immediately.
471	MT10E DTA/ MT10E DTB	The door was not closed correctly during program start. Please re-start the device.	The door of the device was not locked correctly during the program start.	Switch the device off and then on again.	The notification can be triggered by poor operation sequence in the Diagnosis and service menu.	The device is in Diagnosis and service menu, the door was opened via the emergency release or Diagnosis and service was accessed via quick entry whilst the door was open. The Diagnosis and service menu has been exited. From the view of the "Settings" menu, navigation to the additional program was performed. All programs can be started. A malfunction follows immediately.
473	MT10 DTA/ MT10 DTB	Warning 473 QUIT●4 System W473	This malfunction can only be remedied by a service technician.	Please contact technical services.	Drying temperature has not been reached. a) The safety temperature limiter (STL) has triggered b) Drying heater defective c) Temperature sensor defective	a) Check STL for passage. NO passage. Reset or replace the safety temperature limiter. b) Check the heater resistance Rv (connection lines orange/blue) approx. 60 Ohm Rh (connection lines black/blue) approx. 35 Ohm NO heating resistance can be determined. Replace the heater. c) Check the temperature sensor, 20 °C approx. 1000 Ohm
473	MT10E DTA/ MT10E DTB	The required drying temperature was not reached. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Drying temperature has not been reached. a) The safety temperature limiter (STL) has triggered b) Drying heater defective c) Temperature sensor defective	a) Check STL for passage. NO passage. Reset or replace safety temperature limiter. b) Check the heater resistance Rv (connection lines orange/blue) approx. 60 Ohm Rh (connection lines black/blue) approx. 35 Ohm NO heating resistance can be determined. Replace the heater. c) Check the temperature sensor, 20 °C approx. 1000 Ohm
474	MT10 DTA/ MT10 DTB	Error 474 QUIT●4 HEPA filter absent or cap open or System F474	The HEPA filter is not recognized. a) A HEPA filter has not been inserted. b) The HEPA filter for the drying fan has not been inserted correctly. c) The lid of the drying fan has not been locked correctly.	to a) Insert the HEPA filter. to b) Check whether the HEPA filter for the drying fan has been inserted correctly. to c) Close the lid of the drying fan correctly.	Interruption in the circuit fan motor ACOUT 07 a) HEPA filter micro-switch does not switch b) Interruption of the pre-resistance heater RV c) Fan motor defective (interruption)	a) HEPA filter micro switch is blocked or does not activate. Replace the micro switch. b) Check the heater resistance. Rv (connection lines orange/blue) approx. 60 Ohm Rh (connection lines black/blue) approx. 35 Ohm NO heating resistance can be determined. Replace the heater. c) Check the connections of the fan motor, check the passage of the motor coil. Replace the fan motor

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
474	MT10E DTA/ MT10E DTB	The HEPA filter was not recognized. Please insert the HEPA filter correctly and close the cover.	The HEPA filter is not recognized. a) A HEPA filter has not been inserted. b) The HEPA filter for the drying fan has not been inserted correctly. c) The lid of the drying fan has not been locked correctly.	to a) Insert the HEPA filter. to b) Check whether the HEPA filter for the drying fan has been inserted correctly. to c) Close the lid of the drying fan correctly.	Interruption in the circuit fan motor ACOU 07 a) HEPA filter micro-switch does not switch b) Interruption of the pre-resistance heater RV c) Fan motor defective (interruption)	a) HEPA filter micro switch is blocked or does not activate. Replace the micro switch. b) Check the heater resistance. Rv (connection lines orange/blue) approx. 60 Ohm Rh (connection lines black/blue) approx. 35 Ohm NO heating resistance can be determined. Replace the heater. c) Check the connections of the fan motor, check the passage of the motor coil. Replace the fan motor
475	MT10 DTA/ MT10 DTB	Warning 475 QUIT●4 Change HEPA filter	The HEPA filter in the drying fan is soiled.	Replace the HEPA-filter in the drying fan, see information in the user manual.	Only up to SW version 1.309 and if pressure sensor drying (100 mbar) is installed. Pressure sensor drying (100 mbar) AIN 08 recognizes a dynamic pressure greater than 20 mbar. a) Hoses to the pressure sensor damaged, crushed b) Pressure sensor defective c) Software version out of date	a) Check the hoses between the drying fan and the pressure sensor. b) Replace the drying pressure sensor. c) Perform software update
476	MT10 DTA/ MT10 DTB	Error 476 QUIT●4 F476 Please see user manual F476	The requisite pressure for the drying has not been achieved. a) The HEPA filter for the drying fan has not been inserted correctly. b) The lid of the drying fan has not been locked correctly.	to a) Check whether the HEPA filter has been inserted correctly in the drying fan. to b) Close the lid of the drying fan correctly.	From parameter table 1.306: level pressure sensor (30 mbar) AIN 07 recognizes insufficient drying pressure in the washing chamber < 4 mbar a) Up to parameter table 1.304, the drying pressure is determined by the rinsing pressure sensor (500 mbar) AIN 09. AIN 09 recognizes insufficient drying pressure in the washing chamber < 8 mbar. Sensor is imprecise in range up to 20 mbar. b) Fan cover seals worn or torn c) Air diffuser non-return valve does not open d) The hoses of the air diffuser are damaged e) Level pressure sensor AIN 07 does not recognize the drying pressure f) Insufficient performance of the fan motor g) Heating coils polarity-reversed or defect	a) Perform software update. b) Check the seals between the fan cover and the housing for damage. c) Remove the hose between the drying heater and the air diffuser, check the ease of movement of the non-return valve. If stiff, replace the non-return valve. d) Check the hose between the drying fan and drying heating as well as the hose between the drying heating and the air diffuser for damage. e) Replace the level pressure sensor AIN 07 30 mbar. Check the hose between the air diffuser and rinsing pressure sensor for damage. Should an alarmed hose be installed, replace with a new TYGOPRENE hose. f) Check voltage on ACOU 07 (ACZM module). Good = 230 V. Check the voltage in front of and behind of the radio interference filter. Good = 100 V. The input / output voltage on the radio interference filter must be identical. If NOT: Replace the noise filter. If YES: Replace the fan motor. g) Check the heating resistor. Rv (connection lines orange/blue) approx. 60 Ohm Rh (connection lines black/blue) approx. 35 Ohm
476	MT10E DTA/ MT10E DTB	The required drying pressure was not reached. Please check the HEPA filter for soiling and its correct position.	The requisite pressure for the drying has not been achieved. a) The HEPA filter for the drying fan has not been inserted correctly. b) The lid of the drying fan has not been locked correctly.	to a) Check whether the HEPA filter has been inserted correctly in the drying fan. to b) Close the lid of the drying fan correctly.	Level pressure sensor (30 mbar) AIN 07 recognizes insufficient drying pressure in the washing chamber < 4 mbar a) Fan cover seals worn or torn b) Air diffuser non-return valve does not open c) The hoses of the air diffuser are damaged d) Level pressure sensor AIN 07 does not recognize the drying pressure e) Insufficient performance of the fan motor f) Heating coils polarity-reversed or defect	a) Check the seals between the fan cover and the housing for damage. b) Remove the hose between the drying heater and the air diffuser, check the ease of movement of the non-return valve. If stiff, replace the non-return valve. c) Check the hose between the drying fan and drying heating as well as the hose between the drying heating and the air diffuser for damage. d) Replace the level pressure sensor AIN 07 30 mbar. Check the hose between the air diffuser and rinsing pressure sensor for damage. Should an alarmed hose be installed, replace with a new TYGOPRENE hose. e) Check voltage on ACOU 07 (ACZM module). Good = 230 V. Check the voltage in front of and behind of the radio interference filter. Good = 100 V. The input / output voltage on the radio interference filter must be identical. If NOT: Replace the noise filter. If YES: Replace the fan motor. f) Check the heating resistor. Rv (connection lines orange/blue) approx. 60 Ohm Rh (connection lines black/blue) approx. 35 Ohm

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
477	MT10 DTA/ MT10 DTB	Warning 477 QUIT●4 Change pre-filter	The requisite pressure for the drying has not been achieved. a) The pre-filter in the drying fan is soiled. b) The lid of the drying fan has not been locked correctly.	to a) Replace the drying fan pre-filter, see information in the user manual. to b) Lock the lid of the drying fan correctly.	Malfunction only occurs with software < V1.306. Change the pre-filter The rinsing pressure sensor (500 mbar) AIN 09 has registered insufficient interior pressure in the washing chamber < 10 mbar.	Perform software update.
478	MT10 DTA/ MT10 DTB	Warning 178 QUIT●4 Change HEPA filter and pre-filter	The HEPA filter and the pre-filter in the drying fan are soiled.	Replace the HEPA-filter and the pre-filter, see information in the user manual.	Malfunction only occurs with software < V1.306. Change the pre-filter The rinsing pressure sensor (500 mbar) AIN 09 has registered insufficient interior pressure in the washing chamber < 10 mbar.	Perform software update.
479	MT10 DTA/ MT10 DTB	Warning 479 System F479	This malfunction can only be remedied by a service technician.	Please contact technical services.	Drying temperature reached too early. a) Drying heater defective b) Temperature sensor drying defective c) Air flow too low	a) Check the heater resistance. Rv (connection lines orange/blue) approx. 60 Ohm Rh (connection lines black/blue) approx. 35 Ohm b) Check the temperature sensor, 20 °C approx. 1000 Ohm c) Test the drying fan for its function, replace if necessary. Check the air lines for blockage.
479	MT10E DTA/ MT10E DTB	A system malfunction has occurred. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Drying temperature reached too early. a) Drying heater defective b) Temperature sensor drying defective c) Air flow too low	a) Check the heater resistance. Rv (connection lines orange/blue) approx. 60 Ohm Rh (connection lines black/blue) approx. 35 Ohm b) Check the temperature sensor, 20 °C approx. 1000 Ohm c) Test the drying fan for its function, replace if necessary. Check the air lines for blockage.
482	MT10 DTA/ MT10 DTB	Error 482 QUIT●4 System F482	This malfunction can only be remedied by a service technician.	Please contact technical services.	The drying temperature was not reached during the monitoring time. a) Drying heater defective b) Temperature sensor drying defective	a) Check the heater resistance Rv (connection lines orange/blue) approx. 60 Ohm Rh (connection lines black/blue) approx. 35 Ohm b) Check the temperature sensor, 20 °C approx. 1000 Ohm
482	MT10E DTA/ MT10E DTB	The drying temperature was not reached in time. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	The drying temperature was not reached during the monitoring time. a) Drying heater defective b) Temperature sensor drying defective	a) Check the heater resistance Rv (connection lines orange/blue) approx. 60 Ohm Rh (connection lines black/blue) approx. 35 Ohm b) Check the temperature sensor, 20 °C approx. 1000 Ohm

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
484	MT10 DTA/ MT10 DTB	Error 484 QUIT●4 F484 Please see user manual F484	<p>The rinse pressure in the washing chamber is too low.</p> <p>a) The water inflow is insufficient.</p> <p>b) The basis basket has been inserted incorrectly or not at all.</p> <p>c) Too many non-filled apertures on the injector rail.</p> <p>d) The coarse or fine sieve is soiled.</p> <p>e) Large containers with the opening pointing upwards may have been sorted into the device. This diverts water from the rinsing process.</p> <p>f) Strong foam generation: the instruments have been pre-cleaned with a foam-generating solution and have then been subject to insufficient rinsing.</p> <p>g) Strong foam generation: strong soiling of the filter disc in the universal adapter for transmission instruments.</p> <p>h) Strong foam generation: unsuitable process agents (rinse aid or cleaning agent) have been used.</p>	<p>to a) Check the water inflow of the device. Open the water inflow tap completely.</p> <p>to b) Insert the basis basket in the washing chamber correctly. The injector rail should be located on the right-hand side and dock with the blind cap on the port of the rear wall, see information in the user manual.</p> <p>to c) Seal non-filled apertures on the injector rail with a sealing screw.</p> <p>to d) Remove and clean the coarse and fine sieve, see information in the user manual.</p> <p>to e) Sort the containers in the device with their openings facing downwards.</p> <p>to f) Rinse the instruments thoroughly before reprocessing.</p> <p>to g) Remove and replace the soiled filter disc. Clean the reusable filter screen.</p> <p>to h) NOTICE! Use only those process agents suitable for this device.</p>	<p>Minimum rinse pressure too low</p> <p>a) Installation of the device in locations 800 m above MAMSL.</p> <p>b) Minimum rinse pressure 140 mbar is not achieved on the rinsing pressure sensor 500 mbar AIN 09 and rinsing pressure sensor under 10 RPM.</p> <p>1. Strong foam generation. 2. Insufficient water in the washing chamber.</p> <p>Measuring turbine defective or calibrated incorrectly.</p> <p>3. Circulation pump without function</p> <p>c) Minimum rinse pressure 140 mbar is not recognized by the rinsing pressure sensor 500 mbar AIN 09 and rinse arm revolutions between 12-25 RPM.</p> <p>d) Device loses water from the washing chamber via the outlet hose, level pressure falls.</p> <p>e) The graphic log shows frequent switching of the condensate pump. The device loses water from the washing chamber via the steam condenser, level pressure falls</p> <p>1. Via the non-return valve drying, 2. Through unsuitable arrangement of instruments on the injector rail.</p>	<p>a) Adaptation of PRP to specs in the Technical Manual.</p> <p>b) 1. Process agent carry-over Check the pump pit non-return valve for leaks. The pump pit must be emptied. Pull the non-return valve out of the bracket. If water now flows, the non-return valve is tight. 2. Start Rinsing program. Check level pressure Pn in the Status menu S04 Check liquor. During circulation 7-10 mbar; without circulation 12-15 mbar. Level pressure too low: Measuring turbine CW/DI defective or measuring turbine changed from old (white) to new (brown), pulse rate not set correctly. White = 200 puls/l Brown = 245 puls/l 3. Turn the circulation pump by applying a Phillips screwdriver to the motor shaft. If stiff, replace the pump or remove foreign bodies from the pump head. If the shaft can be turned easily, the circulation pump or the starting capacitor 5 µF is defective.</p> <p>c) The rinse pressure pressure sensor determines incorrect values. Replace the pressure sensor.</p> <p>d) The outlet hose was not installed correctly. The outlet hose must reach a height of 40 cm from the bottom edge of the device (see Installation instructions / Technical Manual).</p> <p>e) 1. Check the air diffuser non-return valve for leaks. Remove the hose between the drying heater and the air diffuser non-return valve. Start Rinsing program. Check the non-return valve for leaks. 3. The exit openings of the cannula should always point to the direction of the centre of the chamber.</p>

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
484	MT10E DTA/ MT10E DTB	The rinse pressure has not been achieved. Please check the correct load and clean the coarse and fine sieve.	The rinse pressure in the washing chamber is too low. a) The water inflow is insufficient. b) The basis basket has been inserted incorrectly or not at all. c) Too many non-filled apertures on the injector rail. d) The coarse or fine sieve is soiled. e) Large containers with the opening pointing upwards may have been sorted into the device. This diverts water from the rinsing process. f) Strong foam generation: the instruments have been pre-cleaned with a foam-generating solution and have then been subject to insufficient rinsing. g) Strong foam generation: strong soiling of the filter disc in the universal adapter for transmission instruments. h) Strong foam generation: unsuitable process (rinse aid or cleaning agent) agents have been used.	to a) Check the water inflow of the device. Open the water inflow tap completely. to b) Insert the basis basket in the washing chamber correctly. The injector rail should be located on the right-hand side and dock with the blind cap on the port of the rear wall, see information in the user manual. to c) Seal non-filled apertures on the injector rail with a sealing screw. to d) Remove and clean the coarse and fine sieve, see information in the user manual. to e) Sort the containers in the device with their openings facing downwards. to f) Rinse the instruments thoroughly before reprocessing. to g) Remove and replace the soiled filter disc. Clean the reusable filter screen. to h) NOTICE! Use only those process agents suitable for this device.	Minimum rinse pressure too low a) Installation of the device in locations 800 m above MAMSL. b) Minimum rinse pressure 140 mbar is not achieved on the rinsing pressure sensor 1000 mbar AIN 09 and rinsing pressure sensor under 10 RPM. 1. Strong foam generation. 2. Insufficient water in the washing chamber. Measuring turbine defective or calibrated incorrectly. 3. Circulation pump without function c) Minimum rinse pressure 140 mbar is not recognized by the rinsing pressure sensor 1000 mbar AIN 09 and rinse arm revolutions between 12-25 RPM. d) Device loses water from the washing chamber via the outlet hose, level pressure falls. e) The graphic log shows frequent switching of the condensate pump. The device loses water from the washing chamber via the steam condenser, level pressure falls 1. Via the non-return valve drying, 2. Through unsuitable arrangement of instruments on the injector rail.	a) Adaptation of PRP to specs in the Technical Manual. b) 1. Process agent carry-over Check the pump pit non-return valve for leaks. The pump pit must be emptied. Pull the non-return valve out of the bracket. If water now flows, the non-return valve is tight. 2. Start Rinsing program. Check level pressure Pn in the "Status > Water level" menu. During circulation approx. 12 mbar; without circulation 12-15 mbar. Level pressure too low: Measuring turbine CW/DI defective or measuring turbine pulse rate not set correctly to 245 puls/l. 3. Turn the circulation pump by applying a Phillips screwdriver to the motor shaft. If stiff, replace the pump or remove foreign bodies from the pump head. If the shaft can be turned easily, the circulation pump or the starting capacitor 10 µF is defective. c) The rinse pressure pressure sensor determines incorrect values. Replace the pressure sensor. d) The outlet hose was not installed correctly. The outlet hose must reach a height of 40 cm from the bottom edge of the device (see Installation instructions / Technical Manual). e) 1. Check the air diffuser non-return valve for leaks. Remove the hose between the drying heater and the air diffuser non-return valve. Start Rinsing program. Check the non-return valve for leaks. 3. The exit openings of the cannula should always point to the direction of the centre of the chamber.
489	MT10 DTA/ MT10 DTB	Error 489 QUIT●4 System F489	This malfunction can only be remedied by a service technician.	Please contact technical services.	An object required by the process (sensor, actor) is not available. Faulty parameter file	Perform an update.
489	MT10E DTA/ MT10E DTB	A software problem occurred. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	An object required by the process (sensor, actor) is not available. Faulty parameter file	Perform an update.
500	MT10 DTA/ MT10 DTB	Warning 500 QUIT●4 Check date and time setting	The display of the date and time of the system clock are incorrect.	Working in the display, select the SETUP MENU and set the date and time, see information in the user manual.	Date / time a) Back-up battery on the control electronics is empty b) Malfunction on the control electronics	a) Check the date. If year = 2000, the backup battery on the control electronics is empty. Replace the battery. b) The malfunction persists, replace the control electronics.
500	MT10E DTA/ MT10E DTB	The date and time are incorrect. Please check the settings.	The display of the date and time of the system clock are incorrect.	Working in the display, select the "Settings" menu and set the date and time correctly, see information in the user manual.	Date / time a) Back-up battery on the control electronics is empty b) Malfunction on the control electronics	a) Check the date. If year = 2000, the backup battery on the control electronics is empty. Replace the battery. b) The malfunction persists, replace the control electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
501	MT10 DTA/ MT10 DTB	Warning 501 QUIT●4 CF card not recognized W501	The CF card does not function correctly. a) There is no CF card in the slot. b) The system does not recognize a CF card or the CF card cannot be read.	to a) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only. to b) Push the CF card in the card slot until it the ejector button triggers.	CF card not recognized a) PIN bent in connection b) CF card defective	a) Remove the CF Card from the card slot and conduct a visual check of the PIN. Depending on the damage, align the PIN afresh or replace the control electronics. b) Insert a new CF card.
501	MT10E DTA/ MT10E DTB	A CF card was not recognized. Please insert the CF card correctly.	The CF card does not function correctly. a) There is no CF card in the slot. b) The system does not recognize a CF card or the CF card cannot be read.	to a) Insert a CF card with a memory of up to 4 GB. The MELAG logo must point rightwards during insertion. MELAG recommends using original accessories only. to b) Push the CF card in the card slot until it the ejector button triggers.	CF card not recognized a) PIN bent in connection b) CF card defective	a) Remove the CF Card from the card slot and conduct a visual check of the PIN. Depending on the damage, align the PIN afresh or replace the control electronics. b) Insert a new CF card.
502	MT10 DTA/ MT10 DTB	Warning 502 QUIT●4 Computer connection not recognized W502	The system is unable to locate a computer for log output. a) The network connection has been interrupted. b) The computer / server is not switched on. c) The documentation software has not been started. d) A computer has not been connected but in the SETUP MENU > "Automatic logging" the option "Computer" is active.	to a) Check the network connection to the computer / server. to b) Switch on the computer / server. to c) Restart the documentation software. to d) Working in the display, select the SETUP MENU > "Automatic logging" and deactivate the option "Computer". The display changes from YES to NO.	Computer connection not recognized a) Network connections incorrect b) Control electronics defective	a) Check the network connections and re-configure. b) Replace the control electronics.
502	MT10E DTA/ MT10E DTB	It was not possible to establish a connection to the computer. Please check the connections and settings.	The system is unable to locate a computer for log output. a) The network connection has been interrupted. b) The computer / server is not switched on. c) The documentation software has not been started. d) A computer has not been connected but in the "Settings > Log settings" menu, the "Computer" parameter is set to "yes" (active).	to a) Check the network connection to the computer / server. to b) Switch on the computer / server. to c) Restart the documentation software. to d) Working in the display, select the "Settings > Log settings" menu and deactivate the "Computer" parameter. The display changes from "yes" to "no".	Computer connection not recognized a) Network connections incorrect b) Control electronics defective	a) Check the network connections and re-configure. b) Replace the control electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
505	MT10 DTA/ MT10 DTB	Error 505 QUIT●4 Salt store empty	The salt store has been exhausted. No new regeneration can be performed.	Fill regenerating salt, see information in the user manual. A program can be started if the salt has dissolved in the water. Do not start the program until the regenerating salt has been filled and the signal tone has sounded.	Salt exhausted DIN 06 control query brine malfunction. Malfunction is still shown after filling the regenerating salt. a) The float in the salt container does not float to the top b) No signal change 1. Reed contact on the salt container is defective 2. Cable break in the cable harness or inadequate contacting	Check Diagnosis menu DIN 06. Salt container float below (no salt); salt container reed contact closed; display DIN 06 is 1 Salt container float floating above; salt container reed contact closed, display DIN 06 is 0 a) Salt container float blocked after filling with salt. The salt crystals have fallen in the float switch duct unsuitably. 1. Light tapping against the salt container frees the blockage. 2. Flushing the salt container: working in the Diagnosis menu, activate DCOUT 05 SV Reg and DCOUT 08 SV CW Aqua-Stop for approx. 30 sec. With initial commissioning, program VIP oisss to OPEN and start the Regeneration program. Then program VIP oisss back to CLOSED. 3. Float switch duct free. The float has taken on water and cannot rise. Replace the salt container. b) Lift the float manually. Check the salt container reed contact switching signal. 1. Reed contact remains closed. Replace the salt container. 2. The reed contact opens. Disconnect the plug from the reed contact. Measure the resistance between contact 8 DIN6/plug X43 and contact 10 DIN+/plug X10. Check for short circuit.
505	MT10E DTA/ MT10E DTB	The regenerating salt is exhausted. Re-fill the regenerating salt.	The salt store has been exhausted. No new regeneration can be performed.	Fill regenerating salt, see information in the user manual. A program can be started if the salt has dissolved in the water. Do not start the program until the regenerating salt has been filled and the signal tone has sounded.	Salt exhausted DIN 06 control query brine malfunction. Malfunction is still shown after filling the regenerating salt. a) The float in the salt container does not float to the top b) No signal change 1. Reed contact on the salt container is defective 2. Cable break in the cable harness or inadequate contacting	Check Diagnosis menu DIN 06. Salt container float below (no salt); salt container reed contact closed; display DIN 06 is 1 Salt container float floating above; salt container reed contact closed, display DIN 06 is 0 a) Salt container float blocked after filling with salt. The salt crystals have fallen in the float switch duct unsuitably. 1. Light tapping against the salt container frees the blockage. 2. Flushing the salt container: working in the Diagnosis menu, activate DCOUT 05 SV regeneration and DCOUT 08 SV Aqua-Stop CW for approx. 30 sec. With initial commissioning, program VIP oisss to OPEN and start the Regeneration program. Then program VIP oisss back to CLOSED. 3. Float switch duct free. The float has taken on water and cannot rise. Replace the salt container. b) Lift the float manually. Check the salt container reed contact switching signal. 1. Reed contact remains closed. Replace the salt container. 2. The reed contact opens. Disconnect the plug from the reed contact. Measure the resistance between contact 8 DIN6/plug X43 and contact 10 DIN+/plug X10. Check for short circuit.
509	MT10 DTA/ MT10 DTB	Error 509 QUIT●4 Emerg. overflow F509 Stop water supply	Liquid in the device floor trough.	CAUTION! Avoid contact with liquids in the floor trough; they can contain process agents. 1. Switch off the device. 2. Close the water inflow tap 3. Contact the authorized customer services or stockist technician, stating the device serial number and the malfunction number displayed.	Emergency overflow has triggered a) Water is in the floor trough. Float switch Aqua-Stop DIN 03 has triggered. b) Float switch Aqua-Stop DIN 03 defective.	a) Diagnosis possible only on-site by technician. Check device for internal leaks. b) Replace float switch Aqua-Stop DIN 03.
509	MT10E DTA/ MT10E DTB	Liquid has been recognized in the floor trough. Please stop the water inflow and contact technical services.	Liquid in the device floor trough.	CAUTION! Avoid contact with liquids in the floor trough; they can contain process agents. 1. Switch off the device. 2. Close the water inflow tap 3. Contact the authorized customer services or stockist technician, stating the device serial number and the event number displayed.	Emergency overflow has triggered a) Water is in the floor trough. Float switch Aqua-Stop DIN 03 has triggered. b) Float switch Aqua-Stop DIN 03 defective.	a) Diagnosis possible only on-site by technician. Check device for internal leaks. b) Replace float switch Aqua-Stop DIN 03.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
510	MT10 DTA/ MT10 DTB	Error 510 QUIT●4 max. water level F510 Stop water supply	Too high a water level was measured in the washing chamber during a program run.	1. Press the keys indicated in the display. 2. Close the door and start the program again.	a) Level pressure sensor 30 mbar AIN 07 detects too high a water level in the washing chamber. Level pressure > 19 mbar. 1. Water flows automatically in the washing chamber. Inlet valve does not close 2. Level sensor is defective. 3. Pressure equalization is not possible in the steam condenser during the development of the vapour barrier in the disinfection phase. The internal chamber pressure is too great. 4. Control query too fast up to software FW 1.304.	a) 1. Open the device door, switch on the device, open the external water supply. Monitor whether water flows into the washing chamber independently. Clamp the CW and DI inflow hoses one after the other, determine which water connection does not close. If DI, replace the DI inflow hose. If CW, replace the CW inflow hose and the 3-way valve. 2. Pressure sensor determines an incorrect value. Working in the Diagnosis menu, activate DCOUT 04 SV CW and DCOUT 08 SV CW Aqua-Stop water. Let approx. 1200 ml into the washing chamber. Level pressure of 11-12 mbar must be reached. Otherwise replace pressure sensor 30 mbar. 3. Clean the pressure equalization pipes/boreholes or replace the steam condenser. 4. Perform software update.
510	MT10E DTA/ MT10E DTB	The water level in the washing chamber is too high. Please stop the water inflow and contact technical services.	Too high a water level was measured in the washing chamber during a program run.	1. Press CONFIRM in the action bar on the display. 2. Close the door and start the program again.	a) Level pressure sensor 30 mbar AIN 07 detects too high a water level in the washing chamber. Level pressure > 19 mbar. 1. Water flows automatically in the washing chamber. Inlet valve does not close 2. Level sensor is defective. 3. Pressure equalization is not possible in the steam condenser during the development of the vapour barrier in the disinfection phase. The internal chamber pressure is too great.	a) 1. Open the device door, switch on the device, open the external water supply. Monitor whether water flows into the washing chamber independently. Clamp the CW and DI inflow hoses one after the other, determine which water connection does not close. If DI, replace the DI inflow hose. If CW, replace the CW inflow hose and the 3-way valve. 2. Pressure sensor determines an incorrect value. Working in the Diagnosis menu, activate DCOUT 04 SV cold water and DCOUT 08 SV Aqua-Stop CW. Let approx. 1200 ml into the washing chamber. Level pressure of 11-12 mbar must be reached. Otherwise replace pressure sensor 30 mbar. 3. Clean the pressure equalization boreholes or replace the steam condenser.
512	MT10 DTA/ MT10 DTB	Error 512 QUIT●4 NOT disinfected Power outage F512 Attention! Load NOT disinfected!	The running program was interrupted by a power cut.	WARNING! Danger of contamination 1. Acknowledge the message with the key 4. 2. Start the program again.	Device interrupts program without power outage. a) Fuse holder on toroidal transformer generates interruption b) Voltage supply between control electronics and ACOUT auxiliary module interrupted	a) Check fuse holder and toroidal transformer for loose contacts. b) Check electrical connection between contact L control electronics and contact L1F ACOUT auxiliary module.
512	MT10E DTA/ MT10E DTB	The power supply was interrupted during a program. WARNING! The load was not disinfected.	The running program was interrupted by a power cut.	WARNING! Danger of contamination 1. Press CONFIRM to acknowledge the message. 2. Start the program again.	Device interrupts program without power outage. a) Fuse holder on toroidal transformer generates interruption b) Voltage supply between control electronics and ACOUT auxiliary module interrupted	a) Check fuse holder and toroidal transformer for loose contacts. b) Check electrical connection between contact L control electronics and contact L1F ACOUT auxiliary module.
520	MT10 DTA/ MT10 DTB	Error 520 QUIT●4 System F520	This malfunction can only be remedied by a service technician.	Please contact technical services.	Monitoring time exceeded upon door unlocking (reach icm 1). Door motor does not start. a) Door motor defective b) Cable break in the cable harness or inadequate contacting	a) Replace the door motor. b) Check the electrical connection between the door motor. And the plug X30 mainboard.
520	MT10E DTA/ MT10E DTB	The door could not be unlocked. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Monitoring time exceeded upon door unlocking (reach icm 1). Door motor does not start. a) Door motor defective b) Cable break in the cable harness or inadequate contacting	a) Replace the door motor. b) Check the electrical connection between the door motor. And the plug X30 mainboard.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
521	MT10 DTA/ MT10 DTB	Error 521 QUIT●4 System F521 door poss. blocked	This malfunction can only be remedied by a service technician.	Please contact technical services.	Monitoring time of the door locking mechanism exceeded. DIN 02 key door contact 2 (locking above) does not close. a) Door mechanically blocked b) Door locking mechanism mechanically blocked c) Micro-switch door contact 2 defective d) Door motor defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the door mechanism for blockage. b) Check the door locking mechanism for blockages. c) Check the door contact 2 (locking above). d) Replace the door motor.
521	MT10E DTA/ MT10E DTB	The door could not be locked. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Monitoring time of the door locking mechanism exceeded. DIN 02 key door contact 2 (locking above) does not close. a) Door mechanically blocked b) Door locking mechanism mechanically blocked c) Micro-switch door contact 2 defective d) Door motor defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the door mechanism for blockage. b) Check the door locking mechanism for blockages. c) Check the door contact 2 (locking above). d) Replace the door motor.
522	MT10 DTA/ MT10 DTB	Error 522 QUIT●4 System F522	This malfunction can only be remedied by a service technician.	Please contact technical services.	Monitoring time exceeded upon door unlocking. DIN 02 key door contact 2 (locking above) does not open. a) Door locking mechanism mechanically blocked b) Micro-switch door contact 2 defective c) Door motor defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the door locking mechanism for blockages. b) Check the door contact 2 (locking above). c) Replace the door motor.
522	MT10E DTA/ MT10E DTB	The door could not be unlocked. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Monitoring time exceeded upon door unlocking. DIN 02 key door contact 2 (locking above) does not open. a) Door locking mechanism mechanically blocked b) Micro-switch door contact 2 defective c) Door motor defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the door locking mechanism for blockages. b) Check the door contact 2 (locking above). c) Replace the door motor.
524	MT10 DTA/ MT10 DTB	Error 524 QUIT●4 System F524 Door poss. blocked	The door of the device is blocked and cannot be closed correctly.	Check the door area for blockages.	Blockage of the door motor upon locking. DIN 02 key door contact 2 (locking above) does not close. a) Door mechanically blocked b) Door locking mechanism mechanically blocked c) Micro-switch door contact 2 defective d) Door motor defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the door mechanism for blockage. b) Check the door locking mechanism for blockages. c) Check the door contact 2 (locking above). d) Replace the door motor.
524	MT10E DTA/ MT10E DTB	The door is blocked. Please remove all the blocking objects and re-start the device.	The door of the device is blocked and cannot be closed correctly.	Check the door area for blockages.	Blockage of the door motor upon locking. DIN 02 key door contact 2 (locking above) does not close. a) Door mechanically blocked b) Door locking mechanism mechanically blocked c) Micro-switch door contact 2 defective d) Door motor defective	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the door mechanism for blockage. b) Check the door locking mechanism for blockages. c) Check the door contact 2 (locking above). d) Replace the door motor.
525	MT10 DTA/ MT10 DTB	Error 525 QUIT●4 System F525	This malfunction can only be remedied by a service technician.	Please contact technical services.	Blockage of the door motor upon unlocking. DIN 02 key door contact 2 (locking above) does not open. a) Door locking mechanism mechanically blocked b) Micro-switch door contact 2 defective. c) Door motor defective.	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the door locking mechanism for blockages. b) Check the door contact 2 (locking above). c) Replace the door motor.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
525	MT10E DTA/ MT10E DTB	The door could not be unlocked. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Blockage of the door motor upon unlocking. DIN 02 key door contact 2 (locking above) does not open. a) Door locking mechanism mechanically blocked b) Micro-switch door contact 2 defective. c) Door motor defective.	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Check the door locking mechanism for blockages. b) Check the door contact 2 (locking above). c) Replace the door motor.
527	MT10 DTA/ MT10 DTB	Error 527 QUIT●4 System F527	This malfunction can only be remedied by a service technician.	Please contact technical services.	Inadmissible combination of the door contact states. DIN 01 TK1 - Door contact on the left-hand door vane DIN 02 TK2 - Door contact on the lock above Correct: Door is open, both contacts open. Door is closed, both contacts closed. a) Micro-switch TK1 or TK2 defective b) Cable break in the cable harness or inadequate contacting	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace micro-switch. b) If switching states are correct. Check the feed lines for interruption.
527	MT10E DTA/ MT10E DTB	The door setting has not been recognized correctly. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Inadmissible combination of the door contact states. DIN 01 TK1 - Door contact on the left-hand door vane DIN 02 TK2 - Door contact on the lock above Correct: Door is open, both contacts open. Door is closed, both contacts closed. a) Micro-switch TK1 or TK2 defective b) Cable break in the cable harness or inadequate contacting	The notification must be deleted from the malfunction memory by switching the device on and then off. a) Replace micro-switch. b) If switching states are correct. Check the feed lines for interruption.
531	MT10 DTA/ MT10 DTB	Error 531 QUIT●4 Emergency unlocking	The emergency release on the door was actuated during a program run.	WARNING! Danger of contamination 1. Acknowledge the message with the key 4. 2. Close and lock the door correctly. 3. Start the program again.	Door locked but DIN 02 key door contact 2 (locking above) is open. a) Micro-switch door contact 2 (TK2) defective b) Cable break in the cable harness or inadequate contacting	a) Check micro-switch TK 2 (locking above). If open, replace the micro switch. b) If closed. Check the feed lines for interruption.
531	MT10E DTA/ MT10E DTB	The emergency release was actuated during a program run. WARNING! The load was not disinfected.	The emergency release on the door was actuated during a program run.	WARNING! Danger of contamination 1. Press CONFIRM to acknowledge the message. 2. Close and lock the door correctly. 3. Start the program again.	Door locked but DIN 02 key door contact 2 (locking above) is open. a) Micro-switch door contact 2 (TK2) defective b) Cable break in the cable harness or inadequate contacting	a) Check micro-switch TK 2 (locking above). If open, replace the micro switch. b) If closed. Check the feed lines for interruption.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
532	MT10 DTA/ MT10 DTB	Warning 532 QUIT●4 High water level	This malfunction can only be remedied by a service technician.	Please contact technical services.	Door cannot be opened. Level pressure in the washing chamber has risen above 19 mbar and it is not possible to open the chamber. a) Pumping away not possible 1. Drain pump blocked or defective 2. Outflow blocked b) Non-closing solenoid valve DCOUT 08 SV CW Aqua-Stop and DCOUT 04 SV CW or DCOUT SV DI Aqua-Stop. c) Level sensor issues to high a value	The notification must be deleted from the malfunction memory by switching the device on and then off. WARNING! Danger of contamination! There is a considerable volume of water in the device. a) Remove the water via the emergency release in the pump pit. 1. Check the drain pump for its function or blockage. 2. Remove the blockage in the outflow. b) Open the device door, switch on the device, open the external water supply. Monitor whether water flows into the washing chamber independently. Clamp the CW and DI inflow hoses one after the other, determine which water connection does not close. If DI, replace the DI inflow hose. If CW, replace the CW inflow hose and the 3-way valve. c) Replace the level sensor
532	MT10E DTA/ MT10E DTB	The water level is high and cannot be pumped out. Please stop the water inflow and contact technical services. Do not actuate the emergency release.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Door cannot be opened. Level pressure in the washing chamber has risen above 19 mbar and it is not possible to open the chamber. a) Pumping away not possible 1. Drain pump blocked or defective 2. Outflow blocked b) Non-closing solenoid valve DCOUT 08 SV Aqua-Stop CW and DCOUT 04 SV cold water or DCOUT 07 SV Aqua-Stop DI. c) Level sensor issues to high a value	The notification must be deleted from the malfunction memory by switching the device on and then off. WARNING! Danger of contamination! There is a considerable volume of water in the device. a) Remove the water via the emergency release in the pump pit. 1. Check the drain pump for its function or blockage. 2. Remove the blockage in the outflow. b) Open the device door, switch on the device, open the external water supply. Monitor whether water flows into the washing chamber independently. Clamp the CW and DI inflow hoses one after the other, determine which water connection does not close. If DI, replace the DI inflow hose. If CW, replace the CW inflow hose and the 3-way valve. c) Replace the level sensor
533	MT10 DTA/ MT10 DTB	Caution! Temp. high Open door? Caution! W533 DOOR ●1 + ●3 NO ●4	The temperature in the washing chamber is very high. The door is blocked and cannot be unlocked immediately.	CAUTION! The instruments are hot. Press the keys indicated in the display to acknowledge the notification. The door can be opened. PLEASE NOTE: Take suitable safety precautions when opening the device, such as standing at a safe distance and wearing heat-proof gloves.	Temperature too high	See remedy user
533	MT10E DTA/ MT10E DTB	CAUTION! Instruments and washing chamber are hot. Hot steam could be released upon opening the door. Do you still wish to open the door?	The temperature in the washing chamber is very high. The door is blocked and cannot be unlocked immediately.	CAUTION! The instruments are hot. Press the YES key to acknowledge the message. The door can be opened. PLEASE NOTE: Take suitable safety precautions when opening the device, such as standing at a safe distance and wearing heat-proof gloves.	Temperature too high	See remedy user
534	MT10 DTA/ MT10 DTB	Warning 534 QUIT●4 Temp. too high Please wait	The temperature in the washing chamber is very high. The door is blocked and cannot be unlocked immediately.	CAUTION! Danger of scalding! The instruments are hot. 1. Wait until the temperature of the washing chamber has cooled. 2. Press the keys indicated in the display.	Temperature too high	See remedy user
534	MT10E DTA/ MT10E DTB	The temperature in the washing chamber is too high. The door can only be opened after cooling. CAUTION! The load is hot.	The temperature in the washing chamber is very high. The door is blocked and cannot be unlocked immediately.	CAUTION! Danger of scalding! The instruments are hot. 1. Wait until the temperature of the washing chamber has cooled. 2. Press CONFIRM in the action bar on the display.	Temperature too high	See remedy user

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
535	MT10 DTA/ MT10 DTB	Error 535 QUIT●4 Fine filter not recognized	The fine sieve has been fitted incorrectly.	Insert the fine sieve correctly. The arrow on the fine sieve must point towards the left-hand corner of the washing chamber.	Control query in pump pit DIN 11 does not recognize the fine filter. a) Magnet missing from the fine sieve. b) Reed contact in the pump pit defective.	a) Magnet missing in the fine sieve for the sieve query. Replace the fine sieve with the magnet. b) DIN 11 reed contact pump pit defective. Replace the reed contact. Please note: The sieve query can be temporarily deactivated. Change VIP oifss from "closed" to "open" NOTICE! Do not operate the device without a fine sieve
535	MT10E DTA/ MT10E DTB	The fine sieve was not inserted in the washing chamber correctly. Please check the correct position of the fine sieve.	The fine sieve has been fitted incorrectly.	Insert the fine sieve correctly. The arrow on the fine sieve must point towards the left-hand corner of the washing chamber.	Control query in pump pit DIN 11 does not recognize the fine filter. a) Magnet missing from the fine sieve. b) Reed contact in the pump pit defective.	a) Magnet missing in the fine sieve for the sieve query. Replace the fine sieve with the magnet. b) DIN 11 reed contact pump pit defective. Replace the reed contact. Please note: The sieve query can be temporarily deactivated. Change VIP oifss from "closed" to "open" NOTICE! Do not operate the device without a fine sieve
536	MT10 DTA/ MT10 DTB	Error 536 QUIT●4 Blockage upper rinse arm, Please clean	a) The upper rinse arm is mechanically blocked. b) The impulse nozzle of the upper rinse arm is blocked. c) The basis basket has been inserted in the incorrect position or not at all. d) Fine deposits on the rinse arm bearing or on the sliding disc. e) The water inflow is not sufficient.	to a) Check the freedom of motion of the upper rinse arm. to b) Remove and clean the upper rinse arm. to c) Insert the basis basket correctly. The injector rail must dock on to the connection fitting. to d) Remove and clean the upper rinse arm. Clean the sliding disc with a cloth. to e) Check the water inflow to the device. 1. Remove and clean the sieve in the cold water connection. 2. Check the installation of the inflow hose. 3. Open the water inflow tap completely.	a) Rotation speed sensor DIN 04 registers no impulse from the rinse arm. 1. Rinse arm bushing magnet missing 2. Rotation speed monitoring defective b) Rotation speed monitoring too low c) Plastic parts of the rinse arm bracket show signs of disintegration	a) Check the rinse arms: Working in the Status menu, select S04 LIQUOR and push rinse arms manually. If the display RPM above is ZERO, switch the top and bottom rinse arms and repeat the check. 1. If the RPM below is ZERO, the rinse arm will issue no signal. Replace the rinse arm. 2. If the RPM above continues to be ZERO, the Hall sensor in the rinse arm bracket is defective. Replace upper rinse arm bracket. b) The RPM is displayed: Check the rinse pressure, critical under 180 mbar. If the rinse pressure is too low, continue as with event 484. c) Check the plastic parts of the rinse arm bracket for signs of disintegration. If the material is porous, replace the lower and upper rinse arm bracket completely.
536	MT10E DTA/ MT10E DTB	The upper rinse arm is blocked. Please check the rinse arm for ease of movement and soiling.	a) The upper rinse arm is mechanically blocked. b) The impulse nozzle of the upper rinse arm is blocked. c) The basis basket has been inserted in the incorrect position or not at all. d) Fine deposits on the rinse arm bearing or on the sliding disc. e) The water inflow is not sufficient.	to a) Check the freedom of motion of the upper rinse arm. to b) Remove and clean the upper rinse arm. to c) Insert the basis basket correctly. The injector rail must dock on to the connection fitting. to d) Remove and clean the upper rinse arm. Clean the sliding disc with a cloth. to e) Check the water inflow to the device. 1. Remove and clean the sieve in the cold water connection. 2. Check the installation of the inflow hose. 3. Open the water inflow tap completely.	a) Rotation speed sensor DIN 04 registers no impulse from the rinse arm. 1. Rinse arm bushing magnet missing 2. Rotation speed monitoring defective b) Rotation speed monitoring too low c) Plastic parts of the rinse arm bracket show signs of disintegration	a) Check the rinse arms: Open the "Status > Rinse arm monitoring" menu and push rinse arms manually. If the display RPM above is ZERO, switch the top and bottom rinse arms and repeat the check. 1. If the RPM below is ZERO, the rinse arm will issue no signal. Replace the rinse arm. 2. If the RPM above continues to be ZERO, the Hall sensor in the rinse arm bracket is defective. Replace upper rinse arm bracket. b) The RPM is displayed: Check the rinse pressure, critical under 180 mbar. If the rinse pressure is too low, continue as with event 484. c) Check the plastic parts of the rinse arm bracket for signs of disintegration. If the material is porous, replace the lower and upper rinse arm bracket completely.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
537	MT10 DTA/ MT10 DTB	Error 537 QUIT●4 Blockage lower rinse arm. Please clean.	<p>a) The lower rinse arm is mechanically blocked.</p> <p>b) The impulse nozzle of the lower rinse arm is blocked.</p> <p>c) The basis basket has been inserted in the incorrect position or not at all.</p> <p>d) Fine deposits on the rinse arm bearing or on the sliding disc.</p> <p>e) The water inflow is not sufficient.</p>	<p>to a) Check the freedom of motion of the lower rinse arm.</p> <p>to b) Remove and clean the lower rinse arm.</p> <p>to c) Insert the basis basket correctly. The injector rail must dock on to the connection fitting.</p> <p>to d) Remove and clean the lower rinse arm. Clean the sliding disc with a cloth.</p> <p>to e) Check the water inflow to the device. 1. Remove and clean the sieve in the cold water connection. 2. Check the installation of the inflow hose. 3. Open the water inflow tap completely.</p>	<p>a) Rotation speed sensor DIN 05 registers no impulse from the rinse arm. 1. Rinse arm bushing magnet missing 2. Rotation speed monitoring defective b) Rotation speed monitoring too low c) Plastic parts of the rinse arm bracket show signs of disintegration</p>	<p>a) Check the rinse arms: Working in the Status menu, select S04 LIQUOR and push rinse arms manually. If the display RPM below is ZERO, switch the top and bottom rinse arms and repeat the check. 1. If the RPM above is ZERO, the rinse arm will issue no signal. Replace the rinse arm. 2. If the RPM below continues to be ZERO, the Hall sensor in the rinse arm bracket is defective. Replace lower rinse arm bracket. b) The RPM is displayed: Check the rinse pressure, critical under 180 mbar. If the rinse pressure is too low, continue as with event 484. c) Check the plastic parts of the rinse arm bracket for signs of disintegration. If the material is porous, replace the lower and upper rinse arm bracket completely.</p>
537	MT10E DTA/ MT10E DTB	The lower rinse arm is blocked. Please check the rinse arm for ease of movement and soiling.	<p>a) The lower rinse arm is mechanically blocked.</p> <p>b) The impulse nozzle of the lower rinse arm is blocked.</p> <p>c) The basis basket has been inserted in the incorrect position or not at all.</p> <p>d) Fine deposits on the rinse arm bearing or on the sliding disc.</p> <p>e) The water inflow is not sufficient.</p>	<p>to a) Check the freedom of motion of the lower rinse arm.</p> <p>to b) Remove and clean the lower rinse arm.</p> <p>to c) Insert the basis basket correctly. The injector rail must dock on to the connection fitting.</p> <p>to d) Remove and clean the lower rinse arm. Clean the sliding disc with a cloth.</p> <p>to e) Check the water inflow to the device. 1. Remove and clean the sieve in the cold water connection. 2. Check the installation of the inflow hose. 3. Open the water inflow tap completely.</p>	<p>a) Rotation speed sensor DIN 05 registers no impulse from the rinse arm. 1. Rinse arm bushing magnet missing 2. Rotation speed monitoring defective b) Rotation speed monitoring too low c) Plastic parts of the rinse arm bracket show signs of disintegration</p>	<p>a) Check the rinse arms: Open the "Status > Rinse arm monitoring" menu and push rinse arms manually. If the display RPM below is ZERO, switch the top and bottom rinse arms and repeat the check. 1. If the RPM above is ZERO, the rinse arm will issue no signal. Replace the rinse arm. 2. If the RPM below continues to be ZERO, the Hall sensor in the rinse arm bracket is defective. Replace lower rinse arm bracket. b) The RPM is displayed: Check the rinse pressure, critical under 180 mbar. If the rinse pressure is too low, continue as with event 484. c) Check the plastic parts of the rinse arm bracket for signs of disintegration. If the material is porous, replace the lower and upper rinse arm bracket completely.</p>
538	MT10 DTA/ MT10 DTB	Error 538 QUIT●4 Min. speed upper rinse arm. Please clean.	<p>a) The upper rinse arm is mechanically blocked.</p> <p>b) The impulse nozzle of the upper rinse arm is blocked.</p> <p>c) The basis basket has been inserted in the incorrect position or not at all.</p> <p>d) Fine deposits on the rinse arm bearing or on the sliding disc.</p> <p>e) The water inflow is not sufficient.</p>	<p>to a) Check the freedom of motion of the upper rinse arm.</p> <p>to b) Remove and clean the upper rinse arm.</p> <p>to c) Insert the basis basket correctly. The injector rail must dock on to the connection fitting.</p> <p>to d) Remove and clean the upper rinse arm. Clean the sliding disc with a cloth.</p> <p>to e) Check the water inflow to the device. 1. Remove and clean the sieve in the cold water connection. 2. Check the installation of the inflow hose. 3. Open the water inflow tap completely.</p>	<p>Rotation speed sensor DIN 04 recognizes an insufficient RPM < 3 RPM</p> <p>a) Rotation speed sensor stiff b) Rinse pressure too low c) Plastic parts of the rinse arm bracket show signs of disintegration</p>	<p>a) Rinse arm bushing deformed. Replace the rinse arm. b) Check the rinse pressure, critical under 180 mbar. If the rinse pressure is too low, continue as with event 484. c) Check the plastic parts of the rinse arm bracket for signs of disintegration. If the material is porous, replace the lower and upper rinse arm bracket completely.</p>

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
538	MT10E DTA/ MT10E DTB	The upper rinse arm RPM is too low. Please check the rinse arm for ease of movement and soiling.	a) The upper rinse arm is mechanically blocked. b) The impulse nozzle of the upper rinse arm is blocked. c) The basis basket has been inserted in the incorrect position or not at all. d) Fine deposits on the rinse arm bearing or on the sliding disc. e) The water inflow is not sufficient.	to a) Check the freedom of motion of the upper rinse arm. to b) Remove and clean the upper rinse arm. to c) Insert the basis basket correctly. The injector rail must dock on to the connection fitting. to d) Remove and clean the upper rinse arm. Clean the sliding disc with a cloth. to e) Check the water inflow to the device. 1. Remove and clean the sieve in the cold water connection. 2. Check the installation of the inflow hose. 3. Open the water inflow tap completely.	Rotation speed sensor DIN 04 recognizes an insufficient RPM < 3 RPM a) Rotation speed sensor stiff b) Rinse pressure too low c) Plastic parts of the rinse arm bracket show signs of disintegration	a) Rinse arm bushing deformed. Replace the rinse arm. b) Check the rinse pressure, critical under 180 mbar. If the rinse pressure is too low, continue as with event 484. c) Check the plastic parts of the rinse arm bracket for signs of disintegration. If the material is porous, replace the lower and upper rinse arm bracket completely.
539	MT10 DTA/ MT10 DTB	Error 539 QUIT●4 Min. speed lower rinse arm. Please clean.	a) The lower rinse arm is mechanically blocked. b) The impulse nozzle of the lower rinse arm is blocked. c) The basis basket has been inserted in the incorrect position or not at all. d) Fine deposits on the rinse arm bearing or on the sliding disc. e) The water inflow is not sufficient.	to a) Check the freedom of motion of the lower rinse arm. to b) Remove and clean the lower rinse arm. to c) Insert the basis basket correctly. The injector rail must dock on to the connection fitting. to d) Remove and clean the lower rinse arm. Clean the sliding disc with a cloth. to e) Check the water inflow to the device. 1. Remove and clean the sieve in the cold water connection. 2. Check the installation of the inflow hose. 3. Open the water inflow tap completely.	Rotation speed sensor DIN 05 recognizes an insufficient RPM < 3 RPM a) Rotation speed sensor stiff b) Rinse pressure too low c) Plastic parts of the rinse arm bracket show signs of disintegration	a) Rinse arm bushing deformed. Replace the rinse arm. b) Check the rinse pressure, critical under 180 mbar. If the rinse pressure is too low, continue as with event 484. c) Check the plastic parts of the rinse arm bracket for signs of disintegration. If the material is porous, replace the lower and upper rinse arm bracket completely.
539	MT10E DTA/ MT10E DTB	The lower rinse arm RPM is too low. Please check the rinse arm for ease of movement and soiling.	a) The lower rinse arm is mechanically blocked. b) The impulse nozzle of the lower rinse arm is blocked. c) The basis basket has been inserted in the incorrect position or not at all. d) Fine deposits on the rinse arm bearing or on the sliding disc. e) The water inflow is not sufficient.	to a) Check the freedom of motion of the lower rinse arm. to b) Remove and clean the lower rinse arm. to c) Insert the basis basket correctly. The injector rail must dock on to the connection fitting. to d) Remove and clean the lower rinse arm. Clean the sliding disc with a cloth. to e) Check the water inflow to the device. 1. Remove and clean the sieve in the cold water connection. 2. Check the installation of the inflow hose. 3. Open the water inflow tap completely.	Rotation speed sensor DIN 05 recognizes an insufficient RPM < 3 RPM a) Rotation speed sensor stiff b) Rinse pressure too low c) Plastic parts of the rinse arm bracket show signs of disintegration	a) Rinse arm bushing deformed. Replace the rinse arm. b) Check the rinse pressure, critical under 180 mbar. If the rinse pressure is too low, continue as with event 484. c) Check the plastic parts of the rinse arm bracket for signs of disintegration. If the material is porous, replace the lower and upper rinse arm bracket completely.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
540	MT10 DTA/ MT10 DTB	Error 540 QUIT●4 Max. speed upper rinse arm	This malfunction can only be remedied by a service technician.	Please contact technical services.	Rotation speed sensor DIN 04 recognizes too high an RPM < 60 RPM Loose contact Hall sensor upper rinse arm monitoring	Replace upper rinse arm bracket.
540	MT10E DTA/ MT10E DTB	The maximum RPM of the upper rinse arm was exceeded. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Rotation speed sensor DIN 04 recognizes too high an RPM < 60 RPM Loose contact Hall sensor upper rinse arm monitoring	Replace upper rinse arm bracket.
541	MT10 DTA/ MT10 DTB	Error 541 QUIT●4 Max speed lower rinse arm	This malfunction can only be remedied by a service technician.	Please contact technical services.	Rotation speed sensor DIN 05 recognizes too high an RPM < 60 RPM Loose contact Hall sensor rinse arm monitoring below	Replace lower rinse arm bracket.
541	MT10E DTA/ MT10E DTB	The maximum RPM of the lower rinse arm was exceeded. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Rotation speed sensor DIN 05 recognizes too high an RPM < 60 RPM Loose contact Hall sensor rinse arm monitoring below	Replace lower rinse arm bracket.
542	MT10 DTA/ MT10 DTB	Error 542 QUIT●4 System F542	This malfunction can only be remedied by a service technician.	Please contact technical services.	a) The vapour barrier has established in the steam condenser and cannot be pumped out. 1. Poor condensate pump performance or connection module defective. 2. Condensate pump defective. 3. Control electronics defective. b) Float switch steam condenser DIN 10 and/or flow monitor DIN 12 do not detect water discharge. 1. Float switch condensate defective. 2. Flow monitor defective.	a) Working in the Diagnosis menu, access ACOUT 05 Condensate pump. Check the switch inputs float switch (FS) and flow monitor (FM) in the display. With a built-up vapour barrier, FS = 1 and FM = 0. Activate the condensate pump. 1. Check the connection module. - before the connection module (circuit board output, cable connected to pump): 163 V AC switched off; 230 V AC switched on - after the connection module (pump input, cable disconnected from pump): 97 V DC switched off; 103 V DC switched on If the measured values deviate significantly from the specifications, replace the connection module. 2. The pump can be heard but the switching states are unchanged. Replace the pump. Check again. 3. The pump is not working. Replace the pump. 4. If no voltage on ACOUT 05, replace the control electronics. b) 1. Float switch is constantly 1 but there is no water in the steam condenser. Replace the float switch. 2. Condensate pump is active, FS changes switching state from 1 to 0, FM remains constant 1. Replace the flow monitor. Please note: Fill the steam condenser: Working in the Diagnosis menu, activate DCOUT 08 SV Aqua-Stop CW and DCOUT 06 SV steam condenser for 15 sec. The steam condenser now contains water. If the 15 sec. is maintained, the overflow will not yet be reached.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
542	MT10E DTA/ MT10E DTB	The steam condenser draining has failed. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	a) The vapour barrier has established in the steam condenser and cannot be pumped out. 1. Poor condensate pump performance or connection module defective. 2. Condensate pump defective. 3. Control electronics defective. b) Float switch steam condenser DIN 10. 1. Float switch condensate defective.	a) Working in the Diagnosis menu, access ACOU05 Condensate pump. Check the switch inputs float switch (FS) in the display. With a built-up vapour barrier, FS = 1. Activate the condensate pump. 1. Check the connection module. - before the connection module (circuit board output, cable connected to pump): 163 V AC switched off; 230 V AC switched on - after the connection module (pump input, cable disconnected from pump): 97 V DC switched off; 103 V DC switched on If the measured values deviate significantly from the specifications, replace the connection module. 2. The pump can be heard but the switching states are unchanged. Replace the pump. Check again. 3. The pump is not working. Replace the pump. 4. If no voltage on ACOU05, replace the control electronics. b) 1. Float switch is constantly 1, but there is no water in the steam condenser. Replace the float switch. Please note: Fill the steam condenser: Working in the Diagnosis menu, activate DCOU08 SV Aqua-Stop CW and DCOU06 SV steam condenser for 15 sec. The steam condenser now contains water. If the 15 sec. is maintained, the overflow will not yet be reached.
546	MT10 DTA/ MT10 DTB	Error 546 QUIT●4 System F546	The MELAdem 53/53 C cartridge has not been bled correctly. A sudden water flow causes short-term incorrect measured values.	1. Bleed the MELAdem 53/53 C cartridge of air, see "Commissioning" in the user manual of the water treatment unit. 2. Start the program again.	Measuring turbine water inflow recognizes a flow rate greater than 11 l/min. a) Line pressure too high and flow restrictor in DI Aqua-Stop valve defective b) Measuring turbine water inflow counts too many pulses	Do not activate any solenoid valves (SV) for longer than 2 min if water is not flowing. a) Clamp the water inflow hose at the air gap. Activate the valve DCOU07 SV Aqua-Stop DI. Collect the water in a measuring beaker. Determine the actual supply rate. If the actual water volume/min is also greater than 11 l/min, the DI inflow hose must be replaced. b) If the actual water volume/min is smaller than 8 l/min, the water inflow measuring turbine must be replaced.
546	MT10E DTA/ MT10E DTB	The DI cartridge has not been evacuated completely. Please remove the air from the DI cartridge.	The MELAdem 53/53 C cartridge has not been bled correctly. A sudden water flow causes short-term incorrect measured values.	2. Bleed the MELAdem 53/53 C cartridge of air, see "Commissioning" in the user manual of the water treatment unit. 2. Start the program again.	Measuring turbine water inflow recognizes a flow rate greater than 11 l/min. a) Line pressure too high and flow restrictor in DI Aqua-Stop valve defective b) Measuring turbine water inflow counts too many pulses	Do not activate any solenoid valves (SV) for longer than 2 min if water is not flowing. a) Clamp the water inflow hose at the air gap. Activate the valve DCOU07 SV Aqua-Stop DI. Collect the water in a measuring beaker. Determine the actual supply rate. If the actual water volume/min is also greater than 11 l/min, the DI inflow hose must be replaced. b) If the actual water volume/min is smaller than 8 l/min, the water inflow measuring turbine must be replaced.
547	MT10 DTA/ MT10 DTB	Error 546 QUIT●4 System F546	This malfunction can only be remedied by a service technician.	Please contact technical services.	Measuring turbine water inflow recognizes a flow rate greater than 11 l/min. a) Line pressure too high and flow restrictor in CW Aqua-Stop valve and 3-way solenoid valve is defective b) Measuring turbine water inflow counts too many pulses	Do not activate any solenoid valves (SV) for longer than 2 min if water is not flowing. a) Clamp the water inflow hose at the air gap. Activate the valves DCOU04 SV CW and 08 SV CW Aqua-Stop. Collect the water in a measuring beaker. Determine the actual supply rate. If the actual water volume/min is also greater than 11 l/min, the CW inflow hose and/or the 3-way solenoid valve must be replaced. b) If the actual water volume/min is smaller than 8 l/min, the water inflow measuring turbine must be replaced.
547	MT10E DTA/ MT10E DTB	The permissible flow rate of the cold water was exceeded. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Measuring turbine water inflow recognizes a flow rate greater than 11 l/min. a) Line pressure too high and flow restrictor in CW Aqua-Stop valve and 3-way solenoid valve is defective b) Measuring turbine water inflow counts too many pulses	Do not activate any solenoid valves (SV) for longer than 2 min if water is not flowing. a) Clamp the water inflow hose at the air gap. Activate the valves DCOU04 SV cold water and 08 SV Aqua-Stop CW. Collect the water in a measuring beaker. Determine the actual supply rate. If the actual water volume/min is also greater than 11 l/min, the CW inflow hose and/or the 3-way solenoid valve must be replaced. b) If the actual water volume/min is smaller than 8 l/min, the water inflow measuring turbine must be replaced.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
548	MT10 DTA/ MT10 DTB	Error 548 QUIT●4 DI water quality insufficient F548	The conductivity of the DI water is insufficient (greater than 60 µS/cm). a) The MELAdem 53/53 C cartridge is exhausted. b) The DI water supply is of insufficient quality.	to a) Replace the MELAdem 53/53 C cartridge. to b) Check the DI water supply.	Insufficient DI water (from 60 µS/cm) a) Water inflow conductivity sensor or conductivity measuring cell is defective or soiled b) Measurement falsified by regeneration in the program run c) ACOUT daughterboard on the control electronics defective	a) Remove the conductivity measuring cell and check for soiling. Clean or replace the conductivity measuring cell and/or the conductivity sensor. b) Falsification of the conductivity measurement from regeneration in the program run. Install the conversion set for installing the conductivity measuring cell in the DI line. c) Check the conductivity in the Status menu S03 during the program run. If the values are not plausible, replace the ACOUT daughterboard on the control electronics.
548	MT10E DTA/ MT10E DTB	The conductivity of the DI water is too high. Please replace the DI cartridge.	The conductivity of the DI water is insufficient (greater than 60 µS/cm). a) The MELAdem 53/53 C cartridge is exhausted. b) The DI water supply is of insufficient quality.	to a) Replace the MELAdem 53/53 C cartridge. to b) Check the DI water supply.	Insufficient DI water (from 60 µS/cm) a) Water inflow conductivity sensor or conductivity measuring cell is defective or soiled b) Measurement falsified by regeneration in the program run c) ACOUT daughterboard on the control electronics defective	a) Remove the conductivity measuring cell and check for soiling. Clean or replace the conductivity measuring cell and/or the conductivity sensor. b) Falsification of the conductivity measurement from regeneration in the program run. Install the conversion set for installing the conductivity measuring cell in the DI line. c) Check the conductivity in the "Status > Water quality" menu during the program run. If the values are not plausible, replace the ACOUT daughterboard on the control electronics.
549	MT10 DTA/ MT10 DTB	Warning 549 QUIT●4 Poor DI water quality W549	The conductivity of the DI water is insufficient (greater than 15 µS/cm). a) The MELAdem 53/53 C cartridge is exhausted. b) The DI water supply is of insufficient quality.	to a) Replace the MELAdem 53/53 C cartridge. to b) Check the DI water supply.	Insufficient DI water (from 15 µS/cm) a) Water inflow conductivity sensor or conductivity measuring cell is defective or soiled b) Measurement falsified by regeneration in the program run c) ACOUT daughterboard on the control electronics defective	a) Remove the conductivity measuring cell and check for soiling. Clean or replace the conductivity measuring cell and/or the conductivity sensor. b) Falsification of the conductivity measurement from regeneration in the program run. Install the conversion set for installing the conductivity measuring cell in the DI line. c) Check the conductivity in the Status menu S03 during the program run. If the values are not plausible, replace the ACOUT daughterboard on the control electronics.
549	MT10E DTA/ MT10E DTB	The conductivity of the DI water is high. Please replace the DI cartridge soon.	The conductivity of the DI water is insufficient (greater than 15 µS/cm). a) The MELAdem 53/53 C cartridge is exhausted. b) The DI water supply is of insufficient quality.	to a) Replace the MELAdem 53/53 C cartridge. to b) Check the DI water supply.	Insufficient DI water (from 15 µS/cm) a) Water inflow conductivity sensor or conductivity measuring cell is defective or soiled b) Measurement falsified by regeneration in the program run c) ACOUT daughterboard on the control electronics defective	a) Remove the conductivity measuring cell and check for soiling. Clean or replace the conductivity measuring cell and/or the conductivity sensor. b) Falsification of the conductivity measurement from regeneration in the program run. Install the conversion set for installing the conductivity measuring cell in the DI line. c) Check the conductivity in the "Status > Water quality" menu during the program run. If the values are not plausible, replace the ACOUT daughterboard on the control electronics.
560	MT10 DTA/ MT10 DTB	Warning 560 QUIT●4 High mains voltage	The maximum permissible mains voltage (270 V) has been exceeded.	Have the connection conditions checked by an electrician.	See cause user The control electronics is possibly defect.	Replace the control electronics.
560	MT10E DTA/ MT10E DTB	Too high a voltage was recognized in the power supply. Please arrange for an inspection of the house electrical installation.	The maximum permissible mains voltage (270 V) has been exceeded.	Have the connection conditions checked by an electrician.	See cause user The control electronics is possibly defect.	Replace the control electronics.
561	MT10 DTA/ MT10 DTB	Warning 561 QUIT●4 Low mains voltage	The minimum permissible mains voltage (190 V) was undercut.	Have the connection conditions checked by an electrician.	See cause user The control electronics is possibly defect.	Replace the control electronics.
561	MT10E DTA/ MT10E DTB	Too low a voltage was recognized in the power supply. Please arrange for an inspection of the house electrical installation.	The minimum permissible mains voltage (190 V) was undercut.	Have the connection conditions checked by an electrician.	See cause user The control electronics is possibly defect.	Replace the control electronics.
562	MT10 DTA/ MT10 DTB	Warning 562 QUIT●4 High mains frequency	The maximum permissible mains frequency (63 Hz) was exceeded.	Have the connection conditions checked by an electrician.	See cause user The control electronics is possibly defect.	Replace the control electronics.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
562	MT10E DTA/ MT10E DTB	Too high a mains frequency was recognized in the power supply. Please arrange for an inspection of the house electrical installation.	The maximum permissible mains frequency (63 Hz) was exceeded.	Have the connection conditions checked by an electrician.	See cause user The control electronics is possibly defect.	Replace the control electronics.
563	MT10 DTA/ MT10 DTB	Warning 563 QUIT●4 Low mains frequency	The minimum permissible mains frequency (45 Hz) was undercut.	Have the connection conditions checked by an electrician.	See cause user The control electronics is possibly defect.	Replace the control electronics.
563	MT10E DTA/ MT10E DTB	Too low a mains frequency was recognized in the power supply. Please arrange for an inspection of the house electrical installation.	The minimum permissible mains frequency (45 Hz) was undercut.	Have the connection conditions checked by an electrician.	See cause user The control electronics is possibly defect.	Replace the control electronics.
569	MT10 DTA/ MT10 DTB	Error 569 QUIT●4 Draining Start impossible	This malfunction can only be remedied by a service technician.	Please contact technical services.	Program cannot be started because pump out is active.	Should the malfunction persist, a parameter check is necessary. Perform software update.
569	MT10E DTA/ MT10E DTB	The program cannot be started as the chamber is still being pumped out. Please wait.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Program cannot be started because pump out is active.	Should the malfunction persist, a parameter check is necessary. Perform software update.
571	MT10 DTA/ MT10 DTB	Error 571 QUIT●4 Brine in chamber Start regeneration	The program cannot be started as brine is still in the water softening unit or washing chamber. Only the "Regeneration" program may be started.	Start the "Regeneration" program.	See cause user	See remedy user
571	MT10E DTA/ MT10E DTB	Brine is in the internal water softening unit or the washing chamber. Please re-start the Regeneration.	The program cannot be started as brine is still in the water softening unit or washing chamber. Only the "Regeneration" program may be started.	Start the "Regeneration" program.	See cause user	See remedy user
573	MT10 DTA/ MT10 DTB	Warning 573 QUIT●4 System W573	This malfunction can only be remedied by a service technician.	Please contact technical services.	Event upon device start. The min./max. thresholds of one or more parameters were displaced whilst applying the Delta parameter list.	Check the parameters set for plausibility.
573	MT10E DTA/ MT10E DTB	Impermissible values were determined in the parameter table. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Event upon device start. The min./max. thresholds of one or more parameters were displaced whilst applying the Delta parameter list.	Check the parameters set for plausibility.
574	MT10 DTA/ MT10 DTB	Warning 574 QUIT●4 System W574	This malfunction can only be remedied by a service technician.	Please contact technical services.	Event upon device start. Power failure during parameter loading.	Repeat the parameter update.
574	MT10E DTA/ MT10E DTB	The power supply was interrupted during the parameter update. Please perform the update again.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Event upon device start. Power failure during parameter loading.	Repeat the parameter update.
575	MT10 DTA/ MT10 DTB	Warning 575 QUIT●4 Check date and time setting	The date and time are invalid.	Check the settings in the SETUP MENU.	Date / time	See remedy user
575	MT10E DTA/ MT10E DTB	The date and time are incorrect. Please check the settings.	The date and time are invalid.	Check the settings in the "Settings" menu.	Date / time	See remedy user
582	MT10 DTA/ MT10 DTB	Error 582 QUIT●4 System F582	This malfunction can only be remedied by a service technician.	Please contact technical services.	Incorrect control electronics Incorrect hardware version, old version of the control electronics.	Install permissible version of the control electronics >= PK110101E.
582	MT10E DTA/ MT10E DTB	The control electronics are not compatible with MELAtherm. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Incorrect control electronics Incorrect hardware version, old version of the control electronics.	Install permissible version of the control electronics >= PK110101E.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
583	MT10 DTA/ MT10 DTB	Error 583 QUIT●4 F583 Please see user manual F583	The water inflow was interrupted during the active program.	1. Open the water inflow tap completely. 2. Start the program again. The water inflow must be secured during the entire duration of the active program.	Vapour barrier not established. a) The steam condenser is not filled with water. 1. SV CW Aqua-Stop defective 2. SV steam condenser defective 3. Nozzle for steam condenser blocked b) Float switch in the steam condenser defective	a) 1. Working in the Diagnosis menu, activate DCOUT 04 SV CW and 08 SV CW Aqua-Stop. The SV CW Aqua-Stop must be replaced if water does not flow into the washing chamber. 2. Clamp off the inflow hose to the steam condenser spray nozzle. Working in the Diagnosis menu, activate DCOUT 06 SV steam condenser and 08 SV CW Aqua-Stop. Collect the water in a measuring beaker. If no water flows, replace the 3-way solenoid valve. 3. If water flows, check the spray nozzle for blockage. Clean or replace the nozzle. b) Open the service hatch on the rear panel of the steam condenser. Access the Diagnosis menu > DIN Digital Inputs, replace the float switch DIN 10 if raising it does not cause switch change.
583	MT10E DTA/ MT10E DTB	Insufficient cold water inflow. Please open the water inflow tap completely.	The water inflow was interrupted during the active program.	1. Open the water inflow tap completely. 2. Start the program again. The water inflow must be secured during the entire duration of the active program.	Vapour barrier not established. a) The steam condenser is not filled with water. 1. SV CW Aqua-Stop defective 2. SV steam condenser defective 3. Nozzle for steam condenser blocked b) Float switch in the steam condenser defective	a) 1. Working in the Diagnosis menu, activate DCOUT 04 SV cold water and 08 SV Aqua-Stop CW. The SV Aqua-Stop CW must be replaced if water does not flow into the washing chamber. 2. Clamp off the inflow hose to the steam condenser spray nozzle. Working in the Diagnosis menu, activate DCOUT 06 SV steam condenser and 08 SV CW Aqua-Stop. Collect the water in a measuring beaker. If no water flows, replace the 3-way solenoid valve. 3. If water flows, check the spray nozzle for blockage. Clean or replace the nozzle. b) Open the service hatch on the rear panel of the steam condenser. Access the Diagnosis menu > DIN digital inputs, replace the float switch DIN 10 if raising it does not cause switch change.
590	MT10 DTA/ MT10 DTB	Error 590 QUIT●4 System F590	This malfunction can only be remedied by a service technician.	Please contact technical services.	Open ACOUT 01 flow heater a) Heater resistance interrupted b) Safety temperature limiter (STL) on the flow heater (FH) triggered. c) Interruption of the electrical connection between output ACOUT 01 and control heater 2 kW of the flow heater d) Current measurement on the control electronics defective	a) Check the resistance control heater 2 kW (approx. 26 Ohm), if heater resistance interrupted, replace flow heater. b) Check safety temperature limiter for passage. Replace the safety temperature limiter. If not possible, replace the flow heater. c) Check fuse F3 16A control electronics. Check the connections and lines between the control electronics and the flow heater. d) Determine the current draw with a current probe (approx. 8.5 A) and compare with the records in MELAview. Deviation > -10%, replace the control electronics. Working in the Service menu, reset the median current values.
590	MT10E DTA/ MT10E DTB	A malfunction was detected on the flow heater output (ACOUT1). Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Open ACOUT 01 flow heater a) foaming during circulation b) Heater resistance interrupted c) Contactor does not switch due to insufficient flushing pressure or is defective. d) Interruption of the electrical connection between output ACOUT 01 and control heater 2 kW of the flow heater e) Current measurement on the control electronics defective	a) Perform rinsing programm 3x b) Check the resistance control heater 2 kW (approx. 20 Ohm), if heater resistance interrupted, replace flow heater. c) Check contactor for continuity. If defective, replace the contactor. d) Check pressure switch incl. tubing. Passage from approx. 150 mbar. Replace if defective. e) Check fuse F3 16A control electronics. Check the connections and lines between the control electronics and the flow heater. f) Determine the current draw with a current probe (approx. 11.5 A) and compare with the records in MELAview. Deviation > -10%, replace the control electronics. Working in the Service menu, reset the median current values.
591	MT10 DTA/ MT10 DTB	Error 591 QUIT●4 System F591	This malfunction can only be remedied by a service technician.	Please contact technical services.	Short circuit ACOUT 01 flow heater control heater a) Short circuit control heater 2 kW b) Control electronics defective	a) Check resistance control heater 2 kW (approx. 26 Ohm). Resistance << 26 Ohm, replace the flow heater. b) Disconnect the connection, event 590 Open Load must occur. Event does not occur, replace the control electronics. Working in the Service menu, reset the median current values.
591	MT10E DTA/ MT10E DTB	A short-circuit was detected on the flow heater output (ACOUT1). Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Short circuit ACOUT 01 flow heater control heater a) Short circuit control heater 2 kW b) Control electronics defective	a) Check resistance control heater 2 kW (approx. 20 Ohm). Resistance << 20 Ohm, replace the flow heater. b) Disconnect the connection, event 590 Open Load must occur. Event does not occur, replace the control electronics. Working in the Service menu, reset the median current values.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
592	MT10 DTA/ MT10 DTB	Error 592 QUIT●4 System F592	This malfunction can only be remedied by a service technician.	Please contact technical services.	Open ACOUT 02 flow heater a) Heater resistance interrupted b) Safety temperature limiter (STL) on the flow heater (FH) triggered. c) Connection between control electronics ACOUT 02 and control heater 1 kW of the flow heater interrupted d) Current measurement on the control electronics defective	a) Check the resistance control heater 1 kW (approx. 53 Ohm), if heater resistance interrupted, replace flow heater. b) Check safety temperature limiter for passage. Replace the safety temperature limiter. If not possible, replace flow heater. c) Check fuse F3 16A control electronics. Check the connections and lines between the control electronics and the flow heater. d) Determine the current draw with a current probe (approx. 4.2 A) and compare with the records in MELAview. Deviation > -10%, replace the control electronics. Working in the Service menu, reset the median current values.
593	MT10 DTA/ MT10 DTB	Error 593 QUIT●4 System F593	This malfunction can only be remedied by a service technician.	Please contact technical services.	Short circuit ACOUT 02 flow heater control heater a) Short circuit control heater 1 kW b) Control electronics defective	a) Check resistance control heater 1 kW (approx. 53 Ohm). Resistance << 53 Ohm, replace the flow heater. b) Disconnect the connection, event 592 Open Load must occur. Event does not occur, replace the control electronics. Working in the Service menu, reset the median current values.
594	MT10 DTA/ MT10 DTB	Error 594 QUIT●4 System F594	This malfunction can only be remedied by a service technician.	Please contact technical services.	Open ACOUT 03 circulation pump a) Interruption of the electrical connection between output ACOUT 03 and circulation pump. b) Motor coil interrupted c) Current measurement on control electronics defective d) Switching point of the safety temperature limiter (STL) in the winding of the circulation pump shifted. The circuit is interrupted at normal operating temperatures (target 160 °C, actual 50 °C for example).	a) Check fuse F3 16A control electronics. Check the connections and lines between the control electronics and ACOUT 03 circulation pump. b) Check the resistance of the motor coil on the circulation pump on plug X41 control electronics between contact 2 and contact 6 (approx. 15 Ohm). Replace the circulation pump if interrupted. c) Determine the current draw with a current probe (approx. 700 mA) and compare with the records in MELAview. 1. Deviation > -10%, replace the control electronics. 2. Current is significantly lower than 200 mA: neutral connections X40 and X35 swapped. d) Replace the pump.
594	MT10E DTA/ MT10E DTB	A malfunction was detected on the circulation pump output (ACOUT3). Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Open ACOUT 03 circulation pump a) Interruption of the electrical connection between output ACOUT 03 and circulation pump. b) Motor coil interrupted c) Current measurement on control electronics defective d) Switching point of the safety temperature limiter (STL) in the winding of the circulation pump shifted. The circuit is interrupted at normal operating temperatures (target 160 °C, actual 50 °C for example).	a) Check fuse F3 16A control electronics. Check the connections and lines between the control electronics and ACOUT 03 circulation pump. b) Check the resistance of the motor coil on the circulation pump on plug X41 control electronics between contact 2 and contact 6 (approx. 9 Ohm). Replace the circulation pump if interrupted. c) Determine the current draw with a current probe (approx. 2000 mA) and compare with the records in MELAview. 1. Deviation > -10%, replace the control electronics. 2. Current is significantly lower than 200 mA: neutral connections X40 and X35 swapped. d) Replace the pump.
595	MT10 DTA/ MT10 DTB	Error 595 QUIT●4 System F595	This malfunction can only be remedied by a service technician.	Please contact technical services.	Short circuit ACOUT 03 circulation pump a) Short circuit motor coil circulation pump b) Control electronics defective	a) Check resistance circulation pump (approx. 15 Ohm). Resistance << 15 Ohm, replace the circulation pump. b) Disconnect the connection, event 594 Open Load must occur. Event does not occur, replace the control electronics. Working in the Service menu, reset the median current values.
595	MT10E DTA/ MT10E DTB	A short-circuit was detected on the circulation pump output (ACOUT3). Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Short circuit ACOUT 03 circulation pump a) Short circuit motor coil circulation pump b) Control electronics defective	a) Check resistance circulation pump (approx. 9 Ohm). Resistance << 9 Ohm, replace the circulation pump. b) Disconnect the connection, event 594 Open Load must occur. Event does not occur, replace the control electronics. Working in the Service menu, reset the median current values.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
596	MT10 DTA/ MT10 DTB	Error 596 QUIT●4 System F596	This malfunction can only be remedied by a service technician.	Please contact technical services.	Open ACOUT 04 drain pump a) Interruption of the electrical connection between output ACOUT 04 and drain pump. b) Overheat control drain pump triggered c) Motor coil interrupted d) Current measurement on control electronics defective	a) Check fuse F3 16A control electronics. Check the connections and lines between the control electronics and the drain pump. b) Allow the pump to cool. Working in the Diagnosis menu > ACOUT 04, check the function of the pump. Pump could be blocked by foreign body. c) Check the resistance of the motor coil on the drain pump on plug X41 control circuit board between contact 3 and 6 (approx. 35 Ohm). d) Determine the current draw using a current probe (approx. 200 mA) and compare with the records in MELAview. Deviation > -20%, replace the control electronics. Working in the Service menu, reset the median current values.
596	MT10E DTA/ MT10E DTB	A malfunction was detected on the drain pump output (ACOUT4). Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Open ACOUT 04 drain pump a) Interruption of the electrical connection between output ACOUT 04 and drain pump. b) Overheat control drain pump triggered c) Motor coil interrupted d) Current measurement on control electronics defective	a) Check fuse F3 16A control electronics. Check the connections and lines between the control electronics and the drain pump. b) Allow the pump to cool. Working in the Diagnosis menu > ACOUT 04, check the function of the pump. Pump could be blocked by foreign body. c) Check the resistance of the motor coil on the drain pump on plug X41 control circuit board between contact 3 and 6 (approx. 35 Ohm). d) Determine the current draw using a current probe (approx. 200 mA) and compare with the records in MELAview. Deviation > -20%, replace the control electronics. Working in the Service menu, reset the median current values.
597	MT10 DTA/ MT10 DTB	Error 597 QUIT●4 System F597	This malfunction can only be remedied by a service technician.	Please contact technical services.	Short circuit ACOUT 04 drain pump a) Short circuit motor coil drain pump b) Control electronics defective	a) Check resistance drain pump (approx. 35 Ohm). Resistance << 35 Ohm, replace the circulation pump. b) Disconnect the connection, event 596 Open Load must occur. Event does not occur, replace the control electronics. Working in the Service menu, reset the median current values.
597	MT10E DTA/ MT10E DTB	A short-circuit was detected on the drain pump output (ACOUT4). Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Short circuit ACOUT 04 drain pump a) Short circuit motor coil drain pump b) Control electronics defective	a) Check resistance drain pump (approx. 35 Ohm). Resistance << 35 Ohm, replace the circulation pump. b) Disconnect the connection, event 596 Open Load must occur. Event does not occur, replace the control electronics. Working in the Service menu, reset the median current values.
600	MT10 DTA/ MT10 DTB	Error 600 QUIT●4 System F600	This malfunction can only be remedied by a service technician.	Please contact technical services.	Open ACOUT 06 drying heater a) Interruption of the electrical connection between output ACOUT 06 auxiliary module (ACZM) and drying heater b) Safety temperature limiter (STL) on the heater resistance has triggered c) Heater resistance defective	a) Check the connection and line between the ACOUT auxiliary module (ACZM), ACOUT 06 and the heater. b) Check the safety temperature limiter on the heating housing. Interruption detected. Replace safety temperature limiter. c) Check resistance drying heater (between blue and black line approx. 33 Ohm). Resistance interrupted. Replace the drying heater. Working in the Service menu, reset the median current values.
600	MT10E DTA/ MT10E DTB	A malfunction was detected on the drying heater output (ACOUT6). Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Open ACOUT 06 drying heater a) Interruption of the electrical connection between output ACOUT 06 auxiliary module (ACZM) and drying heater b) Safety temperature limiter (STL) on the heater resistance has triggered c) Heater resistance defective	a) Check the connection and line between the ACOUT auxiliary module (ACZM), ACOUT 06 and the heater. b) Check the safety temperature limiter on the heating housing. Interruption detected. Replace safety temperature limiter. c) Check resistance drying heater (between blue and black line approx. 33 Ohm). Resistance interrupted. Replace the drying heater. Working in the Service menu, reset the median current values.
601	MT10 DTA/ MT10 DTB	Error 601 QUIT●4 System F601	This malfunction can only be remedied by a service technician.	Please contact technical services.	Short circuit ACOUT 06 drying heater a) Drying heater defective b) Control electronics defective	a) Check the resistance of the drying heater (approx. 33 Ohm). Feed line blue/black. Short circuit detected. Replace the drying heater. b) Disconnect the connection, event 600 Open Load must occur. Event does not occur, replace the control electronics. Working in the Service menu, reset the median current values.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
601	MT10E DTA/ MT10E DTB	A short-circuit was detected on the drying heater output (ACOUT6). Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Short circuit ACOUT 06 drying heater a) Drying heater defective b) Control electronics defective	a) Check the resistance of the drying heater (approx. 33 Ohm). Feed line blue/black. Short circuit detected. Replace the drying heater. b) Disconnect the connection, event 600 Open Load must occur. Event does not occur, replace the control electronics. Working in the Service menu, reset the median current values.
603	MT10 DTA/ MT10 DTB	Error 603 QUIT●4 Sytem F603	This malfunction can only be remedied by a service technician.	Please contact technical services.	Short circuit ACOUT 07 drying fan a) Drying fan defective b) Pre-resistance heater (drying) defective c) Malfunction on the control electronics	a) Check the resistance of the drying fan (approx. 10 Ohm). Short circuit detected. Replace the drying fan. b) Check the resistance of the pre-resistance heater (approx. 55 Ohm). Feed line blue/orange. Short circuit detected. Replace the drying heater. b) Disconnect the connection, event 474/HEPA filter not inserted must occur. Event does not occur, replace the control electronics. Working in the Service menu, reset the median current values.
603	MT10E DTA/ MT10E DTB	A short-circuit was detected on the drying fan output (ACOUT7). Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Short circuit ACOUT 07 drying fan a) Drying fan defective b) Pre-resistance heater (drying) defective c) Malfunction on the control electronics	a) Check the resistance of the drying fan (approx. 10 Ohm). Short circuit detected. Replace the drying fan. b) Check the resistance of the pre-resistance heater (approx. 55 Ohm). Feed line blue/orange. Short circuit detected. Replace the drying heater. b) Disconnect the connection, event 474/HEPA filter not inserted must occur. Event does not occur, replace the control electronics. Working in the Service menu, reset the median current values.
620	MT10 DTA/ MT10 DTB	Error 620 QUIT●4 Foaming during circulating	Strong foam generation in the washing chamber. a) The instruments are pre-cleaned or placed in a foam-generating solution. b) Unsuitable process agents (rinse aid or cleaning agent) have been used. c) The metering concentration has been set incorrectly. d) Strong soiling of the filters in the transmission instrument adapter.	to a) Load the instruments into the MELAtherm without pre-reprocessing or rinse them thoroughly after loading. to b) NOTICE! Use only those process agents suitable for this device. to c) Check the settings for the metering concentration and if necessary, arrange for correction by an authorized customer service or a stockist technician. to d) Clean or renew the filter in regular intervals.	Foam generation Rinsing pressure sensor (500 mbar) AIN 09 has detected a fall in the rinsing pressure of 40 % after metering. a) Metering concentration set incorrectly b) Process agents carry-over c) Device loses water 1. via the outlet hose 2. via the non-return (NR) valve drying or 3. via the steam condenser d) Circulation pump without function e) Rinse pressure is evaluated incorrectly	a) Check the metering settings, consult the document: "Record of onstallation and setting up" or User Manual, chapter "Performance specifications" b) Check the pump pit non-return valve for leaks. Working in the Diagnosis menu, add approx. 2 l water to the washing chamber. Activate ACOUT 04 drain pump and empty the pump pit. Switch off the drain pump. Observe whether flow-back in the pump pit occurs. c) 1. The outlet hose was not installed correctly. Check whether the height of 40 cm has been exceeded (see Technical Manual). 2. Check the air diffuser non-return valve for leaks. Remove the hose between the drying heating and the air-diffuser non-return valve and observe whether water emerges from the seal faces. 3.1 If an aspiration cannula is installed on the rear connection of the injector rail and the directs water towards the rear wall at an inappropriate angle, liquor can be lost in the direction of steam condenser. 3.2 Check whether the PTFE pipe has been engaged to the fullest extent in the chamber, otherwise loss of water via this pipe into the steam condenser. d) Working in the Diagnosis menu, activate ACOUT 03 circulation pump and check its function. Check the voltage supply, multi point connector X41 contacts 2 and 6. If voltage is measured, replace the circulation pump. e) Replace the circulation pump pressure sensor.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
620	MT10E DTA/ MT10E DTB	Foam generation recognized during circulation. Please perform a rinse program and comply with the specifications of the device documentation.	Strong foam generation in the washing chamber. a) The instruments are pre-cleaned or placed in a foam-generating solution. b) Unsuitable process agents (rinse aid or cleaning agent) have been used. c) The metering concentration has been set incorrectly. d) Strong soiling of the filters in the transmission instrument adapter.	to a) Load the instruments into the MELAtherm without pre-reprocessing or rinse them thoroughly after loading. to b) NOTICE! Use only those process agents suitable for this device. to c) Check the settings for the metering concentration and if necessary, arrange for correction by an authorized customer service or a stockist technician. to d) Clean or renew the filter in regular intervals.	Foam generation Rinsing pressure sensor (1000 mbar) AIN 09 has detected a fall in the rinsing pressure of 65 % after metering. a) Metering concentration set incorrectly b) Process agents carry-over c) Device loses water 1. via the outlet hose 2. via the non-return (NR) valve drying or 3. via the steam condenser d) Circulation pump without function e) Rinse pressure is evaluated incorrectly	a) Check the metering settings, consult the document: "Record of onstallation and setting up" or User Manual, chapter "Performance specifications" b) Check the pump pit non-return valve for leaks. Working in the Diagnosis menu, add approx. 2 l water to the washing chamber. Activate ACOUT 04 drain pump and empty the pump pit. Switch off the drain pump. Observe whether flow-back in the pump pit occurs. c) 1. The outlet hose was not installed correctly. Check whether the height of 40 cm has been exceeded (see Technical Manual). 2. Check the air diffuser non-return valve for leaks. Remove the hose between the drying heating and the air-diffuser non-return valve and observe whether water emerges from the seal faces. 3.1 If an aspiration cannula is installed on the rear connection of the injector rail and the directs water towards the rear wall at an inappropriate angle, liquor can be lost in the direction of steam condenser. 3.2 Check whether the PTFE pipe has been engaged to the fullest extent in the chamber, otherwise loss of water via this pipe into the steam condenser. d) Working in the Diagnosis menu, activate ACOUT 03 circulation pump and check its function. Check the voltage supply, multi point connector X41 contacts 2 and 6. If voltage is measured, replace the circulation pump. e) Replace the circulation pump pressure sensor.
621	MT10 DTA/ MT10 DTB	Warning 621 QUIT●4 Please validate!	This malfunction can only be remedied by a service technician.	Please contact technical services.	In the start process, after one of the validation counters has reached the threshold conditions	Perform software update.
621	MT10E DTA/ MT10E DTB	A system malfunction has occurred. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	In the start process, after one of the validation counters has reached the threshold conditions	Perform software update.
622	MT10 DTA/ MT10 DTB	Warning 622 QUIT●4 Maintenance required	The maximum permissible maintenance period (24 months) or the maximum permissible number of cycles (1000 cycles) has been reached since commissioning or the last maintenance.	Arrange a maintenance appointment with an authorised technician. You can continue to start the device.	Maintenance necessary	Perform maintenance and reset the maintenance counter.
622	MT10E DTA/ MT10E DTB	The maintenance cycle has been completed. The device can continue to be started. Please perform the maintenance.	The maximum permissible maintenance period (24 months) or the maximum permissible number of cycles (1000 cycles) has been reached since commissioning or the last maintenance.	Arrange a maintenance appointment with an authorised technician. You can continue to start the device.	Maintenance necessary	Perform maintenance and reset the maintenance counter.
623	MT10 DTA/ MT10 DTB	Error 623 QUIT●4 Min. feed rate K not reached. Start air removal F623	This malfunction can only be remedied by a service technician.	Please contact technical services.	Metering rate of 10 ml/min rinse aid undercut The rinse aid pump encoder DINZ 03 determines a pulse rate < 15 Imp/min. a) Rinse aid pump blocked b) Encoder defective c) Drawer metering system (DMS) defective	Working in the Diagnosis menu, activate DCOUT 03 rinse aid pump and check its function. Read off the pulse rate (normal 30-33 puls/min). a) Pump without function. Replace rinse aid metering pump. b) The pump revolves, but no pulses are displayed. Metering pump encoder defective. Replace rinse aid metering pump. c) Replace the drawer metering system.
623	MT10E DTA/ MT10E DTB	The minimum supply rate of the rinse aid was undercut. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Metering rate of 10 ml/min rinse aid undercut The rinse aid pump encoder DINZ 03 determines a pulse rate < 15 Imp/min. a) Rinse aid pump blocked b) Encoder defective c) Drawer metering system (DMS) defective	Working in the Diagnosis menu, activate DCOUT 03 Rinse aid mtering pump and check its function. Read off the pulse rate (normal 30-33 puls/min). a) Pump without function. Replace rinse aid metering pump. b) The pump revolves, but no pulses are displayed. Metering pump encoder defective. Replace rinse aid metering pump. c) Replace the drawer metering system.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
624	MT10 DTA/ MT10 DTB	Error 624 QUIT●4 System F624	The collection tank is not pumped out.	1. Switch the device off and then on again. 2. Start the program again.	Float switch collection tank AIN 06 recognizes water in the collection tank. a) Tank pump ACOUT 08 has no function. 1. Interruption of the electrical connection output ACOUT 08 auxiliary module (ACZM) and pump collection tank 2. Collection tank pump defective or blocked b) Collection tank float switch defective	Consult the detailed description in a separate document. a) Working in the Diagnosis menu, activate ACOUT 08. Check the function of the collection tank pump. 1. Check fuse F3 16A control electronics. Check the connection and line between the ACOUT auxiliary module (ACZM), ACOUT 08 and the tank pump. 2. Replace the tank pump and/or the pump connection module. b) Remove the cover of the connection tank. Check the switching state of the micro-switch. Water in the tank, float above, switch open. No water in the tank, switch closed. If switch always open, replace the micro-switch.
624	MT10E DTA/ MT10E DTB	The collection tank could not be emptied. Please re-start the device.	The collection tank is not pumped out.	1. Switch the device off and then on again. 2. Start the program again.	Float switch collection tank AIN 06 recognizes water in the collection tank. a) Tank pump ACOUT 08 has no function. 1. Interruption of the electrical connection output ACOUT 08 auxiliary module (ACZM) and pump collection tank 2. Collection tank pump defective or blocked b) Collection tank float switch defective	Consult the detailed description in a separate document. a) Working in the Diagnosis menu, activate ACOUT 08. Check the function of the collection tank pump. 1. Check fuse F3 16A control electronics. Check the connection and line between the ACOUT auxiliary module (ACZM), ACOUT 08 and the tank pump. 2. Replace the tank pump and/or the pump connection module. b) Remove the cover of the connection tank. Check the switching state of the micro-switch. Water in the tank, float above, switch open. No water in the tank, switch closed. If switch always open, replace the micro-switch.
625	MT10 DTA/ MT10 DTB	Warning 625 QUIT●4 Pre-rinse temp. high during circ. W625	The temperature during pre-cleaning is too high. The temperature during the water inflow is higher than 45 °C.	Check the water supply to the device.	Pre-rinse temperature too high	The display does not issue a notification. The partial cycle is repeated automatically. If the pre-rinse temperature remains too high, event 626 follows.
625	MT10E DTA/ MT10E DTB	The pre-rinsing will be repeated. The water temperature was too high.	The temperature during pre-cleaning is too high. The temperature during the water inflow is higher than 45 °C.	Check the water supply to the device.	Pre-rinse temperature too high	The display does not issue a notification. The partial cycle is repeated automatically. If the pre-rinse temperature remains too high, event 626 follows.
626	MT10 DTA/ MT10 DTB	Error 626 QUIT●4 Temp. too high during pre-clean	The temperature during pre-cleaning is too high. The temperature during the water inflow is higher than 45 °C.	Check the water supply to the device.	Pre-rinse temperature too high; program abort	Check the water inflow temperature, over 45 °C. The device could be connected to the hot water.
626	MT10E DTA/ MT10E DTB	The water temperature is too high during pre-rinsing. Please check the cold water installation for too high a temperature.	The temperature during pre-cleaning is too high. The temperature during the water inflow is higher than 45 °C.	Check the water supply to the device.	Pre-rinse temperature too high; program abort	Check the water inflow temperature, over 45 °C. The device could be connected to the hot water.
632	MT10 DTA/ MT10 DTB	Error 632 QUIT●4 System F632	The coarse or fine sieve is soiled.	1. Remove and clean the coarse and fine sieve, see information in the user manual. 2. Switch the device off and then on again. 3. Start the program again.	Pressure sensor "level" (30mbar) AIN 07 does not detect a level. a) Air chamber in the pump pit blocked b) Air chamber in pump pit is torn. Air escapes from the air chamber. The pressure is falling. c) Connection hose sensor to pump pit damaged, kinked d) Electrical connection interrupted; Inadequate contacting e) Outlet hose installed incorrectly or connected incorrectly, washing chamber is emptied by suction effect in the water outflow system f) Pressure sensor "level" defective	Working in the Diagnosis menu, activate DCOUT 04 SV cold water and DCOUT 08 SV CW Aqua-Stop. Fill approx. 1200 ml water in the washing chamber. A level pressure of 11-12 mbar must establish itself (query via STATUS S04 Pn). a) Remove the fine and coarse sieve. Check the base of the pump pit for soiling. Clean the pump pit. b) Replace the pump pit. c) Check the connection hose between the pressure sensor "level" and the pump pit for damage, crushing and blockage. d) Check the electrical connection between the pressure sensor "level" and the mainboard. Check the plug on the pressure sensor "level" for the correct contacting. e) Start a program with MELAview or observe the level pressure in the Status menu. The level and rinse pressure fall quickly to 0 bar after or during the water inflow. 1. Unsuitable installation of the outlet hose, outlet height too low, min. 40 cm. 2. Connection of the outlet hose to an unventilated, insufficiently-dimensioned wastewater system. f) Replace the 30 mbar pressure sensor.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
632	MT10E DTA/ MT10E DTB	Insufficient water was recognized in the pump pit. Please remove the soiling and residue from the coarse and fine sieve.	The coarse or fine sieve is soiled.	1. Remove and clean the coarse and fine sieve, see information in the user manual. 2. Switch the device off and then on again. 3. Start the program again.	Pressure sensor "level" (30mbar) AIN 07 does not detect a level. a) Air chamber in the pump pit blocked b) Air chamber in pump pit is torn. Air escapes from the air chamber. The pressure is falling. c) Connection hose sensor to pump pit damaged, kinked d) Electrical connection interrupted; Inadequate contacting e) Outlet hose installed incorrectly or connected incorrectly, washing chamber is emptied by suction effect in the water outflow system f) Pressure sensor "level" defective	Working in the Diagnosis menu, activate DCOUT 04 SV cold water and DCOUT 08 SV Aqua-Stop CW. Fill approx. 1200 ml water in the washing chamber. A level pressure of 11-12 mbar must establish itself (query via "Status > Water level" Pn). a) Remove the fine and coarse sieve. Check the base of the pump pit for soiling. Clean the pump pit. b) Replace the pump pit. c) Check the connection hose between the pressure sensor "level" and the pump pit for damage, crushing and blockage. d) Check the electrical connection between the pressure sensor "level" and the mainboard. Check the plug on the pressure sensor "level" for the correct contacting. e) Start a program with MELAview or observe the level pressure in the "Status > Water level" menu. The level and rinse pressure fall quickly to 0 bar after or during the water inflow. 1. Unsuitable installation of the outlet hose, outlet height too low, min. 40 cm. 2. Connection of the outlet hose to an unventilated, insufficiently-dimensioned wastewater system. f) Replace the 30 mbar pressure sensor.
641	MT10 DTA/ MT10 DTB	Warning 641 QUIT●4 System W641	This malfunction can only be remedied by a service technician.	Please contact technical services.	Eeprom-OnPowerfail-Contents must be reset. The warning is only issued after the control electronics have been re-programmed.	The warning can only be acknowledged with a key.
641	MT10E DTA/ MT10E DTB	Reset EEPROM areas were recognized.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Eeprom-OnPowerfail-Contents must be reset. The warning is only issued after the control electronics have been re-programmed.	The warning can only be acknowledged with a key.
642	MT10 DTA/ MT10 DTB	Warning 642 QUIT●4 System W642	This malfunction can only be remedied by a service technician.	Please contact technical services.	Eeprom-OnDemand-Contents must be reset. The malfunction only occurs after the control electronics have been re-programmed.	The malfunction can only be acknowledged with a key.
642	MT10E DTA/ MT10E DTB	Reset EEPROM areas were recognized.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Eeprom-OnDemand-Contents must be reset. The malfunction only occurs after the control electronics have been re-programmed.	The malfunction can only be acknowledged with a key.
643	MT10 DTA/ MT10 DTB	Error 643 QUIT●4 System F643	This malfunction can only be remedied by a service technician.	Please contact technical services.	Parametrization error Implausible setting of the water volume in process-relevant parameters (VRP). Program step has no feed process / the minimum feed amount insufficient to start the circulation pump.	Check the settings of the water volume in the VRP.
643	MT10E DTA/ MT10E DTB	A configuration error was found: feed water volume. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Parametrization error Implausible setting of the water volume in process-relevant parameters (VRP). Program step has no feed process / the minimum feed amount insufficient to start the circulation pump.	Check the settings of the water volume in the VRP.
652	MT10 DTA/ MT10 DTB	Error 652 QUIT●4 System F652 Metering K F652	This malfunction can only be remedied by a service technician.	Please contact technical services.	A rotation pulse has not been detected during rinse aid metering. The encoder of the rinse aid pump DINZ 03 does not determine any pulses. a) Rinse aid pump blocked b) Encoder defective c) Drawer metering system (DMS) defective	Working in the Diagnosis menu, activate DCOUT 03 rinse aid pump and check its function. Read off the pulse rate (normal 30-33 puls/min). a) Pump without function. Replace rinse aid metering pump. b) The pump revolves, but no pulses are displayed. Metering pump encoder defective. Replace rinse aid metering pump. c) Replace the drawer metering system.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
652	MT10E DTA/ MT10E DTB	No rinse aid volume flow recognized. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	A rotation pulse has not been detected during rinse aid metering. The encoder of the rinse aid pump DINZ 03 does not determine any pulses. a) Rinse aid pump blocked b) Encoder defective c) Drawer metering system (DMS) defective	Working in the Diagnosis menu, activate DCOUT 03 Rinse aid metering pump and check its function. Read off the pulse rate (normal 30-33 puls/min). a) Pump without function. Replace rinse aid metering pump. b) The pump revolves, but no pulses are displayed. Metering pump encoder defective. Replace rinse aid metering pump. c) Replace the drawer metering system.
653	MT10 DTA/ MT10 DTB	Error 653 QUIT●4 Check cold water intake F653	The water inflow was interrupted during the active program.	1. Open the water inflow tap completely. 2. Start the program again. The water inflow must be secured during the entire duration of the active program.	Water inflow regeneration a) Brine flow is evaluated via number of pump-out procedures. If the pump out does not take place, it is assumed that brine flow is not taking place. With parameter software before 1.310, the monitoring time is set very strictly. b) Water softening module blocked c) Solenoid valve (SV) regeneration or SV CW Aqua-Stop defective d) Pressure sensor "level" defective	a) Software before 1.310, perform an update. b) Working in the Diagnosis menu, activate DCOUT 05 SV Regener. and 08 SV CW Aqua-Stop. Open the salt container. If a rising water level can be observed, the valves are OK and the water softening module is blocked. Replace the water softening module. c) Working in the Diagnosis menu, activate DCOUT 04 SV CW and DCOUT 08 SV CW Aqua-Stop and monitor whether water flows into the washing chamber. If YES, the SV CW Aqua-Stop in the CW inflow hose is OK. Replace the 3-way solenoid valve. Otherwise replace the cold water inflow hose. d) Working in the Diagnosis menu, activate DCOUT 04 SV CW and DCOUT 08 SV CW Aqua-Stop. Fill approx. 1200 ml water in the washing chamber. If the level pressure is under 2 mbar, replace the level sensor.
653	MT10E DTA/ MT10E DTB	Insufficient brine flow recognized during regeneration. Please contact technical services.	The water inflow was interrupted during the active program.	1. Open the water inflow tap completely. 2. Start the program again. The water inflow must be secured during the entire duration of the active program.	Water inflow regeneration a) Brine flow is evaluated via number of pump-out procedures. If the pump out does not take place, it is assumed that brine flow is not taking place. With parameter software before 1.310, the monitoring time is set very strictly. b) Water softening module blocked c) Solenoid valve (SV) regeneration or SV CW Aqua-Stop defective d) Pressure sensor "level" defective	a) Software before 1.310, perform an update. b) Working in the Diagnosis menu, activate DCOUT 05 SV Regener. and 08 SV CW Aqua-Stop. Open the salt container. If a rising water level can be observed, the valves are OK and the water softening module is blocked. Replace the water softening module. c) Working in the Diagnosis menu, activate DCOUT 04 SV CW and DCOUT 08 SV CW Aqua-Stop and monitor whether water flows into the washing chamber. If YES, the SV CW Aqua-Stop in the CW inflow hose is OK. Replace the 3-way solenoid valve. Otherwise replace the cold water inflow hose. d) Working in the Diagnosis menu, activate DCOUT 04 SV CW and DCOUT 08 SV CW Aqua-Stop. Fill approx. 1200 ml water in the washing chamber. If the level pressure is under 2 mbar, replace the level sensor.
660	MT10 DTA/ MT10 DTB	Error 660 QUIT●4 System F660	The power supply for the <u>DTA</u> device version is insufficient.	1. Check whether the power plug has been inserted correctly in the socket. 2. Check the fuses in the sub-distribution.	The report status of ACOUT 09 on the ACZM is not identical with the target switching status. The switching states on the ACOUT auxiliary module (ACZM) are subject to monitoring. Implausible feedback from the TRIACs to the ACZM triggers this message. a) Voltage supply interrupted. b) Faulty feedback of the switching states. 1. ACOUT daughterboard on the control electronics is defective. 2. Faulty connection cable between ACOUT daughterboard and auxiliary module AC outputs (ACZM) c) Auxiliary module AC outputs (ACZM) defective Malfunction occurs with DTB device: d) Parameter sghb on 1 or 2 or DTA software installed on DTB device e) The malfunction occurs after replacing the ACZM module. Check whether the bridges are present with the neutral lead.	a) Check the voltage supply on L2 and L3. Check the voltage on the input fuses 16A and 30A. b) 1. Replace the ACOUT daughterboard on the control electronics. 2. Replace the connection cable between the daughterboard and the auxiliary module AC outputs (ACZM). c) Check the voltage on ACOUT 09. Monitor green check LED ACOUT 09 on ACOUT auxiliary module. LED illuminates, ACOUT 09 switched. Voltage present = 230 V. LED off. Voltage present = 0 V. Replace the ACOUT auxiliary module with deviating switching states. d) Working in the Service menu 07 VIP, check the sghb parameter. Correct sghb = 0. Working in the Status menu, check the software version and the serial number. Install the software for DTB devices. e) Fit the missing bridges.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
660	MT10E DTA/ MT10E DTB	The power supply is not constant. Please check the power plug and the house fuses.	The power supply for the <u>DTA</u> device version is insufficient.	1. Check whether the power plug has been inserted correctly in the socket. 2. Check the fuses in the sub-distribution.	The report status of ACOUT 09 on the ACZM is not identical with the target switching status. The switching states on the ACOUT auxiliary module (ACZM) are subject to monitoring. Implausible feedback from the TRIACs to the ACZM triggers this message. a) Voltage supply interrupted. b) Faulty feedback of the switching states. 1. ACOUT daughterboard on the control electronics is defective. 2. Faulty connection cable between ACOUT daughterboard and auxiliary module AC outputs (ACZM) c) Auxiliary module AC outputs (ACZM) defective Malfunction occurs with DTB device: d) Parameter sghb on 1 or 2 or DTA software installed on DTB device e) The malfunction occurs after replacing the ACZM module. Check whether the bridges are present with the neutral lead.	a) Check the voltage supply on L2 and L3. Check the voltage on the input fuses 16A and 30A. b) 1. Replace the ACOUT daughterboard on the control electronics. 2. Replace the connection cable between the daughterboard and the auxiliary module AC outputs (ACZM). c) Check the voltage on ACOUT 09. Monitor green check LED ACOUT 09 on ACOUT auxiliary module. LED illuminates, ACOUT 09 switched. Voltage present = 230 V. LED off. Voltage present = 0 V. Replace the ACOUT auxiliary module with deviating switching states. d) Working in the "Service > VIP parameters" menu, check the sghb parameter. Correct sghb = 0. Working in the "Status > Device data" menu, check the software version and the serial number. Install the software for DTB devices. e) Fit the missing bridges.
661	MT10 DTA/ MT10 DTB	Error 661 QUIT●4 System F661	The power supply for the <u>DTA</u> device version is insufficient.	1. Check whether the power plug has been inserted correctly in the socket. 2. Check the fuses in the sub-distribution.	The report status of ACOUT 09 on the ACZM is not identical with the target switching status. The switching states on the ACOUT auxiliary module (ACZM) are subject to monitoring. Implausible feedback from the TRIACs to the ACZM triggers this message. a) Voltage supply interrupted. b) Faulty feedback of the switching states. 1. ACOUT daughterboard on the control electronics is defective. 2. Faulty connection cable between ACOUT daughterboard and auxiliary module AC outputs (ACZM) c) Auxiliary module AC outputs (ACZM) defective Malfunction occurs with DTB device: d) Parameter sghb on 1 or 2 or DTA software installed on DTB device e) The fault occurs after replacing the ACZM module. Check whether the bridges are present with the neutral lead.	a) Check the voltage supply on L2 and L3. Check the voltage on the input fuses 16A and 30A. b) 1. Replace the ACOUT daughterboard on the control electronics. 2. Replace the connection cable between the daughterboard and the auxiliary module AC outputs (ACZM). c) Check the voltage on ACOUT 09. Monitor green check LED ACOUT 09 on ACOUT auxiliary module. LED illuminates, ACOUT 09 switched. Voltage present = 230 V. LED off. Voltage present = 0 V. Replace the ACOUT auxiliary module with deviating switching states. d) Working in the Service menu 07 VIP, check the sghb parameter. Correct sghb = 0. Working in the Status menu, check the software version and the serial number. Install the software for DTB devices. e) Fit the missing bridges.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
661	MT10E DTA/ MT10E DTB	The power supply is not constant. Please check the power plug and the house fuses.	The power supply for the <u>DTA</u> device version is insufficient.	1. Check whether the power plug has been inserted correctly in the socket. 2. Check the fuses in the sub-distribution.	The report status of ACOUT 10 on the ACZM is not identical with the target switching status. The switching states on the ACOUT auxiliary module (ACZM) are subject to monitoring. Implausible feedback from the TRIACs to the ACZM triggers this message. a) Voltage supply interrupted. b) Faulty feedback of the switching states. 1. ACOUT daughterboard on the control electronics is defective. 2. Faulty connection cable between ACOUT daughterboard and auxiliary module AC outputs (ACZM) c) Auxiliary module AC outputs (ACZM) defective Malfunction occurs with DTB device: d) Parameter sghb on 1 or 2 or DTA software installed on DTB device e) The fault occurs after replacing the ACZM module. Check whether the bridges are present with the neutral lead.	a) Check the voltage supply on L2 and L3. Check the voltage on the input fuses 16A and 30A. b) 1. Replace the ACOUT daughterboard on the control electronics. 2. Replace the connection cable between the daughterboard and the auxiliary module AC outputs (ACZM). c) Check the voltage on ACOUT 10. Monitor green check LED ACOUT 10 on ACOUT auxiliary module. LED illuminates, ACOUT 10 switched. Voltage present = 230 V. LED off. Voltage present = 0 V. Replace the ACOUT auxiliary module with deviating switching states. d) Working in the "Service > VIP parameters" menu, check the sghb parameter. Correct sghb = 0. Working in the "Status > Device data" menu, check the software version and the serial number. Install the software for DTB devices. e) Fit the missing bridges.
662	MT10 DTA/ MT10 DTB	Error 662 QUIT●4 System F662	The upper rinse arm is soiled.	Remove the upper rinse arm and clean the nozzles, see information in the user manual.	Heating/control: lower threshold temperature range not reached. a) Heater resistances control heater flow heater interrupted. b) Safety temperature limiters (STL) have triggered. c) Electrical connection interrupted.	Measure the current draw of the control heaters with current probe. ACOUT 01 control heater 2 kW = 8.5 A, ACOUT 02 control heater 1 kW = 4.2 A, a) Check ACOUT 01 resistance control heater 2 kW (approx. 26 Ohm) and check ACOUT 02 resistance control heater 1 kW (approx. 53 Ohm). If heater resistance interrupted, replace flow heater. b) Check safety temperature limiter (STL) for passage. Reset the STL. If not possible, replace flow heater. c) Check fuse F3 16 A control electronics. Check the connections and lines between the control electronics and the flow heater. Working in the Service menu, reset the median current values.
662	MT10E DTA/ MT10E DTB	The temperature in the washing chamber is too low. Please check the nozzles of the upper rinse arm for soiling.	The upper rinse arm is soiled.	Remove the upper rinse arm and clean the nozzles, see information in the user manual.	Heating/control: lower threshold temperature range not reached. a) Heater resistances control heater flow heater interrupted. b) Contactor does not switch due to insufficient flushing pressure or is defective. c) Electrical connection interrupted.	Measure the current draw of the control heaters with current probe. ACOUT 01 control heater 2 kW = 11,5 A a) Check ACOUT 01 resistance control heater 2,65 kW (approx. 20 Ohm). If heater resistance interrupted, replace flow heater. b) Check contactor for continuity. If defective, replace the contactor. c) Check pressure switch incl. tubing. Passage from approx. 150 mbar. Replace if defective. d) Check fuse F3 16 A control electronics. Check the connections and lines between the control electronics and the flow heater. Working in the Service menu, reset the median current values.
663	MT10 DTA/ MT10 DTB	Error 663 QUIT●4 System F663	This malfunction can only be remedied by a service technician.	Please contact technical services.	Heating/control: upper threshold temperature range exceeded. Temperature sensor defective in the chamber	Check the function of the flow heater. Replace the temperature sensors in the chamber AIN 01 and AIN 02.
663	MT10E DTA/ MT10E DTB	A system malfunction has occurred. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Heating/control: upper threshold temperature range exceeded. Temperature sensor defective in the chamber	Check the function of the flow heater. Replace the temperature sensors in the chamber AIN 01 and AIN 02.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
669	MT10 DTA/ MT10 DTB	Error 669 QUIT●4 System F669	The coarse or fine sieve is strongly soiled.	1. Remove and clean the coarse and fine sieve, see information in the user manual. 2. Switch the device off and then on again. 3. Start the program again.	Pressure sensor "level" (30mbar) AIN 07 detects too low a level. a) Air chamber in the pump pit blocked b) Connection hose sensor to pump pit damaged, blocked, kinked c) Electrical connection interrupted; Inadequate contacting d) Outlet hose installed incorrectly or connected incorrectly, washing chamber is emptied by suction effect in the water outflow system e) Pressure sensor "level" defective	Working in the Diagnosis menu, activate DCOUT 04 SV CW and DCOUT 08 SV CW Aqua-Stop. Fill approx. 1200 ml water in the washing chamber. A level pressure of 11-12 mbar must establish itself (query via STATUS S04 Pn). a) Remove the fine and coarse sieve. Check the base of the pump pit for soiling. Clean the pump pit. b) Check the connection hose between the pressure sensor "level" and the pump pit for damage, crushing and blockage. c) Check the electrical connection between the pressure sensor "level" and the mainboard and the plug on the pressure sensor "level" for the correct contacting. d) 1. Start a program and observe the level pressure in the program using MELAview or the Status menu. The level and rinse pressure fall quickly to 0 bar after or during the water inflow. 2. Unsuitable installation of the outlet hose, outlet height too low, min. 40 cm. 3. Connection of the outlet hose to an unventilated, insufficiently-dimensioned wastewater system. e) Replace the 30 mbar pressure sensor.
669	MT10E DTA/ MT10E DTB	Too little water was recognized in the pump pit during regeneration. Please clean the coarse and fine sieve and re-start the device.	The coarse or fine sieve is strongly soiled.	1. Remove and clean the coarse and fine sieve, see information in the user manual. 2. Switch the device off and then on again. 3. Start the program again.	Pressure sensor "level" (30mbar) AIN 07 detects too low a level. a) Air chamber in the pump pit blocked b) Connection hose sensor to pump pit damaged, blocked, kinked c) Electrical connection interrupted; Inadequate contacting d) Outlet hose installed incorrectly or connected incorrectly, washing chamber is emptied by suction effect in the water outflow system e) Pressure sensor "level" defective	Working in the Diagnosis menu, activate DCOUT 04 SV CW and DCOUT 08 SV CW Aqua-Stop. Fill approx. 1200 ml water in the washing chamber. A level pressure of 11-12 mbar must establish itself (query via "Status > Water level" Pn). a) Remove the fine and coarse sieve. Check the base of the pump pit for soiling. Clean the pump pit. b) Check the connection hose between the pressure sensor "level" and the pump pit for damage, crushing and blockage. c) Check the electrical connection between the pressure sensor "level" and the mainboard and the plug on the pressure sensor "level" for the correct contacting. d) 1. Start a program and observe the level pressure in the program using MELAview or the Status menu. The level and rinse pressure fall quickly to 0 bar after or during the water inflow. 2. Unsuitable installation of the outlet hose, outlet height too low, min. 40 cm. 3. Connection of the outlet hose to an unventilated, insufficiently-dimensioned wastewater system. e) Replace the 30 mbar pressure sensor.
670	MT10 DTA/ MT10 DTB	Error 670 QUIT●4 No cooling water F670	The water inflow was interrupted during the active program.	1. Open the water inflow tap completely. 2. Start the program again. The water inflow must be secured during the entire duration of the active program.	Cooling water not recognized. a) The steam condenser is not filled with water. 1. SV CW Aqua-Stop defective 2. SV steam condenser defective 3. Nozzle for steam condenser blocked b) There is cooling water in the steam condenser which cannot be pumped out. 1. Poor condensate pump performance or connection module defective 2. Condensate pump defective 3. Control electronics defective c) Flow monitor defective	a) 1. Working in the Diagnosis menu, activate DCOUT04 SV CW and 08 SV CW Aqua-Stop. The SV CW Aqua-Stop must be replaced if water does not flow into the washing chamber. 2. Clamp off the inflow hose to the steam condenser spray nozzle. Working in the Diagnosis menu, activate DCOUT 06 SV steam condenser and 08 SV CW Aqua-Stop. Collect the water in a measuring beaker. If no water flows, replace the 3-way solenoid valve. 3. If water flows, check the spray nozzle for blockage. Clean or replace the nozzle. b) Working in the Diagnosis menu, access ACOUT 05 condensate pump. Check the switch inputs float switch (FS) and flow monitor (FM) in the display. With a built-up vapour barrier, FS = 1 and FM = 0. Activate the condensate pump. 1. The pump can be heard but the switching states are unchanged. Replace the pump. Check again. Should the malfunction persist, replace the connection module. 2. The pump is not working. Replace the pump. 3. If no voltage on ACOUT 05, replace the control electronics. c) Condensate pump is active, float switch changes switching state from 1 to 0, flow monitor remains constant 1. Replace the flow monitor. Please note: Fill the steam condenser: Working in the Diagnosis menu, activate DCOUT 08 SV CW Aqua-Stop and DCOUT 06 SV steam condenser for 15 sec. The steam condenser now contains water. If the 15 sec. is maintained, the overflow will not yet be reached.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
670	MT10E DTA/ MT10E DTB	Insufficient cold water inflow. Insufficient cooling water is available. Please open the water inflow tap completely.	The water inflow was interrupted during the active program.	1. Open the water inflow tap completely. 2. Start the program again. The water inflow must be secured during the entire duration of the active program.	Cooling water not recognized. a) The steam condenser is not filled with water. 1. SV CW Aqua-Stop defective 2. SV steam condenser defective 3. Nozzle for steam condenser blocked b) There is cooling water in the steam condenser which cannot be pumped out. 1. Poor condensate pump performance or connection module defective 2. Condensate pump defective 3. Control electronics defective	a) 1. Working in the Diagnosis menu, activate DCOUT04 SV cold water and 08 SV Aqua-Stop CW. The SV Aqua-Stop CW must be replaced if water does not flow into the washing chamber. 2. Clamp off the inflow hose to the steam condenser spray nozzle. Working in the Diagnosis menu, activate DCOUT 06 SV steam condenser and 08 SV Aqua-Stop CW. Collect the water in a measuring beaker. If no water flows, replace the 3-way solenoid valve. 3. If water flows, check the spray nozzle for blockage. Clean or replace the nozzle. b) Working in the Diagnosis menu, access ACOUT 05 condensate pump. Check the switch inputs float switch (FS) in the display. With a built-up vapour barrier, FS = 1. Activate the condensate pump. 1. The pump can be heard but the switching states are unchanged. Replace the pump. Check again. Should the malfunction persist, replace the connection module. 2. The pump is not working. Replace the pump. 3. If no voltage on ACOUT 05, replace the control electronics. Please note: Fill the steam condenser: Working in the Diagnosis menu, activate DCOUT 08 SV Aqua-Stop CW and DCOUT 06 SV steam condenser until DIN 10 float switch is switching.
671	MT10 DTA/ MT10 DTB	Warning 671 QUIT●4 Poor conductivity Final rinse W671	Insufficient conductivity (> 15 µS/cm and < 25 µS/cm) was measured in the washing chamber during disinfection in the Ophthalmic-Program. This could be caused by carry-over of process agents, regenerating salt or deposits. The program successfully completed despite the warning.	1. Close the lid of the salt container correctly. 2. Setup the containers in the device with their openings facing downwards. 3. Check the hollow bodies before reprocessing for their free passage and correct position. 4. Clean the filter screen in the instrument connection equipment. 5. Remove and clean the coarse and fine sieve, see information in the user manual. 6. Insert the non-return valve in the pump pit correctly, see information in the user manual. 7. Check for foreign bodies in the non-return valve.	Conductivity poor final rinse Conductivity in the pump pit increases over 15 µS/cm during disinfection. a) Conductivity sensor pump pit soiled b) Chloride carry-over during the program run 1. Pump pit non-return valve leaks 2. Salt container s worn	a) Check the pump pit conductivity sensor for soiling. Clean or replace the sensor. b) 1. Check the pump pit non-return valve for leaks. Working in the Diagnosis menu, add approx. 2 l water to the washing chamber. Activate ACOUT 04 drain pump and empty the pump pit. Switch off the drain pump. Given flow-back into the pump pit, replace the non-return valve. 2. Salt container seal pressed flat and hardened. Replace the seal.
671	MT10E DTA/ MT10E DTB	A raised conductivity was recognized in the final rinse. Please check whether process agents, regenerating salt or deposits have been carried over.	Insufficient conductivity (> 15 µS/cm and < 25 µS/cm) was measured in the washing chamber during disinfection in the Ophthalmic-Program. This could be caused by carry-over of process agents, regenerating salt or deposits. The program successfully completed despite the warning.	1. Close the lid of the salt container correctly. 2. Setup the containers in the device with their openings facing downwards. 3. Check the hollow bodies before reprocessing for their free passage and correct position. 4. Clean the filter screen in the instrument connection equipment. 5. Remove and clean the coarse and fine sieve, see information in the user manual. 6. Insert the non-return valve in the pump pit correctly, see information in the user manual. 7. Check for foreign bodies in the non-return valve.	Conductivity poor final rinse Conductivity in the pump pit increases over 15 µS/cm during disinfection. a) Conductivity sensor pump pit soiled b) Chloride carry-over during the program run 1. Pump pit non-return valve leaks 2. Salt container s worn	a) Check the pump pit conductivity sensor for soiling. Clean or replace the sensor. b) 1. Check the pump pit non-return valve for leaks. Working in the Diagnosis menu, add approx. 2 l water to the washing chamber. Activate ACOUT 04 drain pump and empty the pump pit. Switch off the drain pump. Given flow-back into the pump pit, replace the non-return valve. 2. Salt container seal pressed flat and hardened. Replace the seal.
672	MT10 DTA/ MT10 DTB	Error 672 QUIT●4 Insufficient conductivity Final rinse F672	Insufficient conductivity (> 25 µS/cm) was measured in the washing chamber during disinfection in the Ophthalmic-Program. This could be caused by carry-over of process agents, regenerating salt or deposits. The program successfully completed despite the warning.	1. Close the lid of the salt container correctly. 2. Setup the containers in the device with their openings facing downwards. 3. Check the hollow bodies before reprocessing for their free passage and correct position. 4. Clean the filter screen in the instrument connection equipment. 5. Remove and clean the coarse and fine sieve, see information in the user manual. 6. Insert the non-return valve in the pump pit correctly, see information in the user manual. 7. Check for foreign bodies in the non-return valve.	Insufficient conductivity final rinse. Conductivity in the pump pit increases over 25 µS/cm during disinfection. a) Conductivity sensor pump pit soiled b) Chloride carry-over during the program run 1. Pump pit non-return valve leaks 2. Salt container s worn	a) Check the pump pit conductivity sensor for soiling. Clean or replace the sensor. b) 1. Check the pump pit non-return valve for leaks. Working in the Diagnosis menu, add approx. 2 l water to the washing chamber. Activate ACOUT 04 drain pump and empty the pump pit. Switch off the drain pump. Given flow-back into the pump pit, replace the non-return valve. 2. Salt container seal pressed flat and hardened. Replace the seal.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
672	MT10E DTA/ MT10E DTB	Too high a conductivity was recognized in the final rinse. Please check whether process agents, regenerating salt or deposits have been carried over.	Insufficient conductivity (> 25 µS/cm) was measured in the washing chamber during disinfection in the Ophthalmology-Program. This could be caused by carry-over of process agents, regenerating salt or deposits. The program successfully completed despite the warning.	<ol style="list-style-type: none"> 1. Close the lid of the salt container correctly. 2. Setup the containers in the device with their openings facing downwards. 3. Check the hollow bodies before reprocessing for their free passage and correct position. 4. Clean the filter screen in the instrument connection equipment. 5. Remove and clean the coarse and fine sieve, see information in the user manual. 6. Insert the non-return valve in the pump pit correctly, see information in the user manual. 7. Check for foreign bodies in the non-return valve. 	Insufficient conductivity final rinse. Conductivity in the pump pit increases over 25 µS/cm during disinfection. a) Conductivity sensor pump pit soiled b) Chloride carry-over during the program run 1. Pump pit non-return valve leaks 2. Salt container s worn	a) Check the pump pit conductivity sensor for soiling. Clean or replace the sensor. b) <ol style="list-style-type: none"> 1. Check the pump pit non-return valve for leaks. Working in the Diagnosis menu, add approx. 2 l water to the washing chamber. Activate ACOUT 04 drain pump and empty the pump pit. Switch off the drain pump. Given flow-back into the pump pit, replace the non-return valve. 2. Salt container seal pressed flat and hardened. Replace the seal.
673	MT10 DTA/ MT10 DTB	Error 673 QUIT●4 Ophthalmology without DI Start impossible F673	The Ophthalmology-Program does not start. A DI connection has not been set in the SETUP MENU.	<ol style="list-style-type: none"> 1. Connect the DI water. 2. Working in the display, select the SETUP MENU > "DI water" and set the parameters to YES. 	See cause user	See remedy user
673	MT10E DTA/ MT10E DTB	The Ophthalmology-Program cannot be started without DI water. Please check the settings.	The Ophthalmology-Program does not start. A DI connection has not been set in the "Settings" menu.	<ol style="list-style-type: none"> 1. Connect the DI water. 2. Working in the display, select the "Settings > DI water" menu and set the parameters to "yes". 	See cause user	See remedy user
674	MT10 DTA/ MT10 DTB	Error 674 QUIT●4 System 674	This malfunction can only be remedied by a service technician.	Please contact technical services.	Plausibility check of the parameter conductivity final rinse. If kslws > kslwu and no special treatment is presented, a malfunction is triggered and the program aborted.	Check the parameters kslws and kslwu in the Service menu > VIP parameters. Set the parameters kslws (poor conductivity) and kslwu (insufficient conductivity) correctly. Factory settings: kslws 00150 = 15 µS/cm kslwu 00250 = 25 µS/cm
674	MT10E DTA/ MT10E DTB	Impermissible conductivity was found in the parameter table. Please contact technical services.	This malfunction can only be remedied by a service technician.	Please contact technical services.	Plausibility check of the parameter conductivity final rinse. If kslws > kslwu and no special treatment is presented, a malfunction is triggered and the program aborted.	Check the parameters kslws and kslwu in the "Service > VIP parameters" menu. Set the parameters kslws (poor conductivity) and kslwu (insufficient conductivity) correctly. Factory settings: kslws 00150 = 15 µS/cm kslwu 00250 = 25 µS/cm
675	MT10 DTA/ MT10 DTB	Error 675 QUIT●4 System 675	Water is in the pump pit after pumping out. a) The coarse or fine sieve is soiled. b) The non-return valve in the pump pit is missing or has been fitted incorrectly. c) The non-return valve is blocked by foreign bodies.	to a) Remove and clean the coarse and fine sieve, see information in the user manual. to b) Insert the non-return valve in the pump pit correctly. to c) Check whether foreign bodies are in the non-return valve, see information in the user manual.	After emptying in the first partial cycle, the conductivity pump pit must approach 0 µS/cm. If no change occurs, a malfunction will follow. The message enables recognition of the cable rupture on the conductivity cell in the pump pit. a) Electrical connection interrupted b) Conductivity sensors inflow and pump pit have been connected reversed. c) Measurement errors caused by the fault current d) ACOUT daughterboard on the control electronics defective e) Pump pit conductivity sensor soiled or defective	To enable a better malfunction analysis, set the fdw parameter to YES in the Service menu 07 VIP. A permanent graphical record of the conductivity values is generated. Cable break detection function is suppressed. a) Check the connection between ACOUT daughterboard on the control electronics and the conductivity sensors inflow and pump pit. b) Check the correct connection of the conductivity sensors on the ACOUT daughterboard. Conductivity (LW) inflow - AIN 11, conductivity (LW) pump pit - AIN 12. c) <ol style="list-style-type: none"> 1. Damaged insulation Hall sensor inflow on the lower rinse arm bracket. Replace the rinse arm bracket. 2. Check the cable insulation on the door motor. Cables can suffer damage through contact with the chamber insulation; this will result in fault currents. 3. Escaped moisture on the rinse arm bracket/salt container can cause a fault current on the emergency overflow micro-switch underneath. d) Working in Status menu S03, check the conductivity during the program run. If the values are not plausible, replace the ACOUT daughterboard on the control electronics. e) Check the resistance of the conductivity sensors. The resistance must be approaching infinite.

Event number	Valid for device type	Event Text Display	Cause User	Remedy User	Cause Device	Remedy Technician
675	MT10E DTA/ MT10E DTB	A conductivity was recognized after the water has been pumped away. Please clean the coarse and fine sieve and the non-return valve in the pump pit.	Water is in the pump pit after pumping out. a) The coarse or fine sieve is soiled. b) The non-return valve in the pump pit is missing or has been fitted incorrectly. c) The non-return valve is blocked by foreign bodies.	to a) Remove and clean the coarse and fine sieve, see information in the user manual. to b) Insert the non-return valve in the pump pit correctly. to c) Check whether foreign bodies are in the non-return valve, see information in the user manual.	After emptying in the first partial cycle, the conductivity pump pit must approach 0 µS/cm. If no change occurs, a malfunction will follow. The message enables recognition of the cable rupture on the conductivity cell in the pump pit. a) Electrical connection interrupted b) Conductivity sensors inflow and pump pit have been connected reversed. c) Measurement errors caused by the fault current d) ACOU daughterboard on the control electronics defective e) Pump pit conductivity sensor soiled or defective	To enable a better malfunction analysis, set the fdw parameter to YES in the "Service > VIP parameters" menu. A permanent graphical record of the conductivity values is generated. Cable break detection function is suppressed. a) Check the connection between ACOU daughterboard on the control electronics and the conductivity sensors inflow and pump pit. b) Check the correct connection of the conductivity sensors on the ACOU daughterboard. Conductivity (LW) inflow - AIN 11, conductivity (LW) pump pit - AIN 12. c) 1. Damaged insulation Hall sensor inflow on the lower rinse arm bracket. Replace the rinse arm bracket. 2. Check the cable insulation on the door motor. Cables can suffer damage through contact with the chamber insulation; this will result in fault currents. 3. Escaped moisture on the rinse arm bracket/salt container can cause a fault current on the emergency overflow micro-switch underneath. d) Working in "Status > Water quality" menu, check the conductivity during the program run. If the values are not plausible, replace the ACOU daughterboard on the control electronics. e) Check the resistance of the conductivity sensors. The resistance must be approaching infinite.
680	MT10E DTA/ MT10E DTB	The required A0 value of 3000 was not reached. WARNING! The load was not disinfected. The parameters for disinfection must be adapted.	This malfunction can only be remedied by a service technician.	Please contact technical services.	The required A0 value of 3000 was not reached during disinfection phase.	Increase the disinfection parameters or the holding time in order reach an A0 value at least 3000.