

Faultfinding manual

Invoq Essence

6-1/1 GN
10-1/1 GN
20-1/1 GN

Electric
EN - English

Online manuals



Original English document

Table of contents

General information	4
Target group	4
Technical changes	4
More documentation	4
Warranty	4
Permissions	4
Safety information	5
Using the faultfinding table	5
Accessing the test functions	6
Overview of error codes	7
Faultfinding list	9
How to read the PT1000 table	28
Measuring the resistance	28
Comparing the measured values with the PT1000 table	28
PT1000 temperature sensor table	29
Oven overview	30

General information

Target group

Target group	Description
	The information that is listed next to this symbol is aimed at the end user of the oven. We recommend that you follow the instructions before you contact your local service partner as, in many cases, you will be able to solve the error yourself.
	The information that is listed next to this symbol is aimed at service technicians, who have been trained and are certified in installing and servicing the oven.

Technical changes

This document is subject to changes without notice.

More documentation

You find more documentation about the oven at <https://invoqoven.com/en/login/>.

Warranty

You find more information about warranty at our website. For more information, see the back page.

Permissions

Log in as “Technician” to have the necessary rights to be able to change the oven setup, use the test functions, update software, etc. See section “Accessing the test functions”.

Safety information



Read this document before using, installing or servicing the product. Installation and operation must comply with local regulations and accepted codes of good practice.



Read the safety instructions in the user manual, installation manual and service manual before you perform any work on the oven.



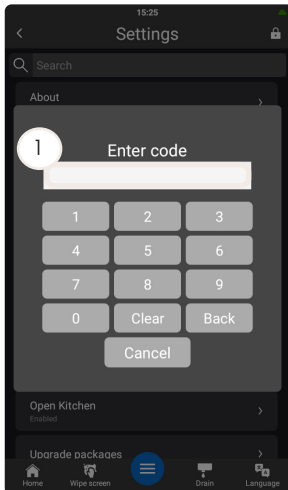
All maintenance and repair must be carried out by qualified installation and service technicians only. Installation and/or service by others than qualified service technicians may result in injury to the operator and/or damage to the oven.

Using the faultfinding table

In the faultfinding manual you find a detailed description of the errors and notifications that may occur on the oven, all of which are listed in a table containing information about the error number, cause, user and remedy.

1. Find the error number that is shown on your display in the column "Error".
2. Read the cause of the error in the column "Cause".
3. If you are an end user of the oven, follow the instructions next to the  icon, and if you are a service technician, follow the instructions next to the  icon.

1 Error	Fault	2 Cause	User	3 Remedy
4	The oven is too hot	The oven thermo switch has tripped, because the cavity temperature is above 350°C.	 	1. Contact your local service partner. 1. Open the front panel and press the green knob to reset the safety circuit.



Accessing the test functions

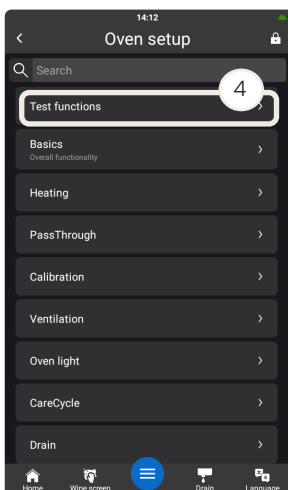
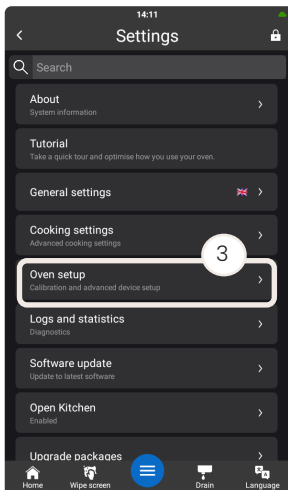
1. Log in as "Technician" (576021).
2. Touch "Settings".
3. Touch "Oven setup".
4. Touch "Test functions".
5. Touch the relevant test function.



In each of the error messages in this document, it is described which test function to use to solve the error.



Always make sure that the most recent software is installed on the oven. You can download the software from Asset Library on <https://invoqoven.com/en/login/>.



Overview of error codes

Error	Fault	Page
4	"The oven is too hot"	9
7	"The oven temperature sensor is defective"	10
8	"The core probe is not connected"	11
14	"The fan is too slow"	11
16	"The IO board is too hot"	12
17	"Safety circuit fail"	12
18	"Controller too hot"	13
20	"No communication between the controller and the IO board"	13
21	"No communication between the controller and the IO board"	14
25	"CombiSense is not calibrated."	14
27	"CombiSense calibration error"	15
28	"Error in alarm"	16
29	"Door sensor error"	16
31	"Oxygen sensor error"	17
32	"IO board does not have same software as CPU"	17
34	"Water flow is low"	18
38	"There is detergent in the oven"	18
40	"The IO board is too hot"	19
44	"Exhaust error"	20
49	"Safety circuit - incorrect SSR pulsing"	21
59	"Service needed"	21
71	"Core probe warning"	21
72	"Fan I - no communication"	22
74	"Fan II - no communication"	23
76	"Pending software update"	23
77	"Pending recipe import"	23
78	"Oxygen sensor problem"	24
80	"Forced wash is soon needed"	24
81	"Forced wash is needed"	24
82	"HydroShield water filter change is required soon"	24
83	"HydroShield water filter change is required"	25
86	"User ignored to change the HydroShield water filter"	25

Error	Fault	Page
90	"The fan is too slow"	26
92	"The clock is wrong"	26
95	"Power failure. The oven has resumed"	26
96	"Power failure. The oven did not resume"	26
97	"Invalid configuration"	27
99	"Safety circuit fail"	27

Table 1

Faultfinding list

Error	Fault	Cause	User	Remedy
4	The oven is too hot	The oven thermo switch has tripped, because the cavity temperature is above 350°C.		1. Go to "Settings" "Software update" "Check online for new software". 2. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Open the front panel and press the green knob to reset the safety circuit. In the USA and Canada, you might also need to press the thermo switch in the controller compartment. 3. Check the power supply to the thermo switch, 24 V. 4. Go to "Alarm test" in the "Test functions" menu and check that the overheat safety circuit for the oven cavity is open. 5. In "Test functions", activate the main function, start up the main fan at maximum speed. Do not activate the heat function. 6. Check if the temperature in the oven cavity is increasing. If yes, use a digital multimeter to measure the solid state relay. Replace it, if necessary. 7. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
7	The oven temperature sensor is defective	The oven temperature sensor is defective. The oven must not be used until the error has been corrected.		1. Go to "Settings" "Software update" "Check online for new software". 2. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Check for leaks. 3. Go to "Oven test" in the "Test functions" menu and check the oven cavity temperature sensor reading. 4. If a core probe is present, place it inside the oven as reference temperature measurement tool. 5. If the reading is incorrect, check that the temperature sensor measures correctly according to the "PT1000 temperature sensor table" on page 29. Follow the wiring diagram to find the correct wires. 6. Check the connection on the IO board. Follow the wiring diagram to find the correct wires. 7. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
8	The core probe is not connected	A recipe using core temperature has been selected, but no core probe is connected, is connected properly or the core probe is defective. The recipe cannot be used until the error has been corrected.		1. Go to "Settings" "Software update" "Check online for new software". 2. If the error persists, contact your local service partner and use recipes without core probe until the fault is solved.
				1. Update the oven to the latest software. 2. Go to "Other tests" in the "Test functions" menu and check the temperature reading of the three PT1000 sensors in the core probe. 3. If no information is displayed, check the wiring connection by following the wiring diagram and check that the probe is connected to the IO board. 4. Mount the missing wires and measure the connections again. 5. Replace the core probe, if necessary 6. If the error persists, contact your service provider.
14	The fan is too slow	The fan is running too slow.		1. Go to "Settings" "Software update" "Check online for new software". 2. Restart the oven in the "Settings" menu. 3. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Make sure the fan wheel is running freely and without any obstacles. 3. Go to "Fan tests" in the "Test functions" menu and test the fan in both directions. Make sure the fan wheel is running freely and that there are no obstacles. 4. Make sure the cooling fans are running. 5. Replace any defective parts. It might be either the motor or IO board. 6. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
16	The IO board is too hot	The internal temperature on the IO board is too high.		1. Go to "Settings" "Software update" "Check online for new software". 2. Clean the air intake filter. 3. Restart the oven in the "Settings" menu and wait for five minutes before using the oven again. 4. Make sure nothing hot is placed close to the oven. 5. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to "Other tests" in the "Test functions" menu and read the IO board temperature. If the temperature is above 45°C on the IO board but is cold, replace the IO board. 3. Make sure the air intake filter is clean. Clean the air intake filter, if necessary. 4. Make sure the cooling fan is running and check the power supply. If the power supply is OK, replace the fan. 5. Make sure that no steam or any hot sources are near the air intake. 6. If the error persists, contact your service provider.
17	Safety circuit fail	The steam generator safety circuit is open. The oven configuration is without a steam generator.		1. Go to "Settings" "Software update" "Check online for new software". 2. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to "Oven setup" in the "Settings" menu and check that the oven setup correspond to the oven configuration. If not, make the necessary changes. 3. Check that the wires for the steam generator are connected to the connector instead of the thermo switch. 4. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
18	Controller too hot	The internal temperature on the controller is too high.		1. Go to "Settings" "Software update" "Check online for new software". 2. Make sure the air intake filter is clean. 3. Clean the air intake filter, if necessary. 4. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Make sure the air intake filter is clean. 3. Make sure the cooling fan is running. 4. Make sure that there are no leaks from the hole in the top of the front panel or from the sealing on the rear of the front panel. 5. Make sure there are no loose connections. 6. If the error persists, contact your service provider.
20	No communication between the controller and the IO board	There is no connection between the controller and the IO board.		1. Go to "Settings" "Software update" "Check online for new software". 2. Restart the oven in the "Settings" menu. 3. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Check the connection in both ends of the cable between the IO board and the controller. Make sure 24 V is available. 3. Check if there is a short circuit between the wires. 4. Measure the connectivity through the cable and replace it, if necessary. 5. Replace the IO board. If it does not solve the error, remount the old IO board. 6. Replace the controller. If it does not solve the error, remount the old controller. 7. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
21	No communication internally at the controller	There is no connection between the controller and server.		1. Go to "Settings" "Software update" "Check online for new software" 2. Restart the oven. 3. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Check the connection in both ends of the cable between the IO board and the controller. Make sure 24 V is available. 3. Check if there is a short circuit between the wires. 4. Measure the connectivity through the cable and replace it, if necessary. 5. Replace the controller board. If it does not solve the error, remount the old controller board. 6. Replace the IO board. If it does not solve the error, remount the old IO board. 7. If the error persists, contact your service provider.
25	CombiSense is not calibrated	CombiSense is not calibrated.		1. Go to "Settings" "Software update" "Check online for new software" 2. Cool down the oven to below 40°C. 3. Go to "Oven setup" in the "Settings" menu. 4. When the oven is cold and dry, start calibration of the auto humidity function. 5. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to "Oven setup" in the "Calibration" menu, and check that the injection nozzle is working. 3. Check that all phases are working by measuring equal amps on all three phases. 4. Check that the fan motor is running correctly at high and low speed as well as left and right. 5. Start calibration. 6. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
27	CombiSense calibration error	Unable to finish calibration and cool down took too long.		1. Go to "Settings" "Software update" "Check online for new software". 2. Make sure the water is turned on. 3. Make sure the door is closed. 4. Recalibrate CombiSense. 5. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Check that the sensor gives a humidity value. Replace the sensor, if necessary. 3. Go to "Oven tests" in "Test functions" menu and check that water comes out of the injection nozzle. 4. Check the heating by measuring equal amps on all three phases. 5. Check that the oven is connected to cold water (below 25°C). 6. Check that the fan is running at correct speed in both directions. 7. Check that the door sensor states "door closed" in both a cold and a warm oven. 8. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
28	Error in alarm	An invalid alarm combination is registered. Unable to display the main alarm properly.		1. Go to "Settings" "Software update" "Check online for new software". 2. Restart the oven in the "Settings" menu. 3. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Check that the fuses are live. 3. Go to "Alarm test" in the "Test functions" menu and find information about the error. 4. Measure the signal wires from the safety components on the IO board. Follow the wiring diagram. 5. Replace components and wires, if necessary. 6. Replace the IO board, if necessary 7. If the error persists, contact your service provider.
29	Door sensor error NOTE! You can use the oven with caution. However, make sure to stop the recipe before opening the door, as the fan does not stop running.	The door sensor does not receive valid values. The oven does not stop working if the door is opened.		1. Go to "Settings" "Software update" "Check online for new software". 2. Go to "Door calibration" in the "Calibration" menu to check the information about the error. 3. Calibrate the door sensor. 4. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to "Oven test" in the "Test functions" menu and check that the signal from the door sensor changes when the door is open and closed. 3. Check that 5 V is live on the IO board. 4. Check if a magnet can change the reading of the door sensor signal. 5. Replace and calibrate the door sensor, if necessary. 6. Replace the IO board, if necessary. 7. Calibrate the oven door. 8. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
31	Oxygen sensor error	The oxygen sensor is not reading valid values.		1. Go to "Settings" "Software update" "Check online for new software". 2. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to the "Settings" menu and restart the oven. 3. Go to "Other tests" in the "Test functions" menu, and check the reading of the humidity value. The value must be above 1 and below 500 a minute after you have engaged the contactor. 4. Check that the oxygen sensor is connected correctly. If so, replace the oxygen sensor. 5. If the error persists, contact your service provider.
32	IO board does not have same software as CPU	The IO board is not updated.		1. Go to "Settings" "Software update" "Check online for new software". 2. Turn oven off and on. 3. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Restart the oven, and the CPU will update software on the IO board. 3. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
34	Water flow is low	Insufficient water flow.		- Go to "Settings" "Software update" "Check online for new software". - Make sure the water supply is open. - If the error persists, contact your local service partner.
				- Update the oven to the latest software. - Measure that there is 24V to the flow meter. - Measure that there is 24V to the solenoid valve. - Make sure the water supply is open and leads water through the solenoid valve. - Make sure the water supply pressure is higher than 1 bar. - If the error persists, contact your service provider.
38	There is detergent in the oven IMPORTANT! The oven and products may be damaged if the oven is used with detergent in it.	CareCycle was interrupted while detergent was in the oven.		- Run a CareCycle flush before using the oven. - If the error persists, contact your local service partner.

Error	Fault	Cause	User	Remedy
40	The IO board is too hot	This is a notification not an error. The internal temperature on the IO board is too high. If the temperature continues to rise, the oven will stop and display error code 16.		1. Go to "Settings" "Software update" "Check online for new software" 2. Clean the air intake filter. 3. Make sure there is no heat sources near the air intake filter. 4. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to "Other tests" in the "Test functions" menu and read the IO board temperature. If the temperature is above 45°C and the IO board is cold, replace the IO board. 3. Make sure the air intake filter is clean. Clean the air intake filter, if necessary. 4. Make sure the cooling fan is running and check the power supply. If the power supply is OK, replace the fan. 5. Make sure that no steam or any hot sources are near the air intake. 6. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
44	Exhaust error	An error occurs when opening and closing the exhaust valve.		1. Go to "Settings" "Software update" "Check online for new software". 2. Make sure nothing blocks the exhaust valve. 3. Go to the "Settings" menu and restart the oven. 4. Contact your local service partner.
				1. Update the oven to the latest software. 2. Go to "Oven test" in the "Test functions" menu, and activate the exhaust valve. Visually check if the valve turns. If the valve does not turn, check the 24 V power supply. If the power supply is approximately 24 V, replace the valve motor. 3. If the valve is turning but the value in the test function does not shift between open and closed, bridge the signal wires that are connected to the valve position switch. If the signal turns to closed, replace the position switch. 4. If the value in the test function does not switch to closed, measure the wires from the valve position switch to the IO board. Check the connector on the IO board. Replace the IO board, if necessary. 5. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
49	Safety circuit – incorrect SSR pulsing	Safety circuit open – probably problem with SSR pulsing.		1. Go to “Settings” “Software update” “Check online for new software”. 2. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Check the oven voltage setting and compare with the rating plate on the right-hand side of the oven. 3. If the voltage setting is incorrect, set the correct voltage setting on the oven. If the voltage setting is correct, see error code 3 or 17. 4. If the error persists, contact your service provider.
59	Service needed	This is a notification. Your oven needs service We highly recommend a service to avoid breakdowns.		1. Contact your local service partner.
71	Core probe warning NOTE! We recommend only to use the defect core probe as guideline and always check the temperature with an external core probe.	The core probe is defect.		1. Go to “Settings” “Software update” “Check online for new software” 2. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to “Other test” in the “Test functions” menu and check the feedback values from the three PT1000 sensors in the core probe. If one of the sensors shows a different value than the others, replace the core probe. 3. Repair the connection, if necessary. 4. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
72	Fan I – no communication	The IO board cannot communicate with the fan motor.		1. Go to "Settings" "Software update" "Check online for new software". 2. Go to the "Settings" menu and restart the oven. 3. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to "Alarm test" in the "Test function" menu, and check the fan that is a problem. 3. Ensure the main fan is powered by 200-277V depending on the appliance rating. If not: a) Check the fuse for the box (F2). b) Check that all wires are properly stripped and connected. c) Check the power from the main contactor. IMPORTANT! Make sure the main contactor is activated during testing. 4. Check the communication cables between the IO board to the main fan, which is failing. Ensure connectivity and that there are no shorted wires. 5. Replace any defective parts, if necessary. 6. If the error persists, contact your service provider.

Error	Fault	Cause	User	Remedy
74	Fan II - no communication	Upper fan motor does not send signal back to the IO board.		1. Go to "Settings" "Software update" "Check online for new software". 2. Go to the "Settings" menu and restart the oven. 3. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to "Alarm test" in the "Test function" menu, and check the fan that is a problem. 3. Ensure the main fan is powered by 200-277V depending on the appliance rating. If not: a) Check the fuse for the box (F3). b) Check that all wires are properly stripped and connected. c) Check the power from the main contactor. IMPORTANT! Make sure the main contactor is activated during testing. 4. Check the communication cables between the IO board to the main fan. Ensure connectivity and that there are no shorted wires. 5. Replace any defective parts, if necessary. 6. If the error persists, contact your service provider.
76	Pending software update	This is a notification. New software is available. We highly recommend that you update the oven to the most recent software.		1. Follow the instructions on the display.
77	Pending recipe import	This is a notification. New or updated recipes are available. We highly recommend that you update the oven with the recipes		1. Follow the instructions on the display.

Error	Fault	Cause	User	Remedy
78	Oxygen sensor problem	The oxygen sensor has a temporary problem		1. Go to "Settings" "Software update" "Check online for new software". 2. Wait 5 minutes before restarting the oven. To avoid this issue, never leave the oven in humid condition. 3. If the error persists, contact you local service partner.
				1. Update the oven to the latest software. 2. Inform the customer to keep the oven dry overnight. 3. Replace the oxygen sensor, if necessary. 4. If the error persists, contact your service provider.
80	Forced wash is soon needed	This is a notification. Forced wash is soon needed.		1. Run a CareCycle programme as soon as possible to avoid that the CareCycle programme starts at an inappropriate time.
81	Forced wash is needed IMPORTANT: You cannot use the oven until the oven has run one of the CareCycle programmes.	Forced wash is needed.		1. Run a CareCycle programme immediately.
82	HydroShield water filter change is required soon	This is a notification. The HydroShield water filter must soon be replaced.		1. You can continue to use the oven until the HydroShield water filter is empty. The oven will notify you when to change the HydroShield water filter. Order a new HydroShield water filter at our website. For more information, see the back page.

Error	Fault	Cause	User	Remedy
83	HydroShield water filter change is required WARNING! The used HydroShield water filter is filled with water and is very heavy.	This is a notification not an error. The HydroShield water filter must be replaced immediately. Otherwise, you risk limescale in the oven, which may damage the oven.		1. Replace the HydroShield water filter immediately. 2. Turn off the water supply. 3. Dismount the HydroShield water filter. Make sure that the used HydroShield water filter does not have a black O-ring on the filter cartridge opening. If the O-ring is on the used HydroShield water filter, remove it and fit it in the blue filter head. 4. Mount the new HydroShield water filter and reset the counter. If it is a new filter size, change the filter size in the counter as well. 5. If the new HydroShield water filter cannot keep tight and dry, contact your local service partner.
				1. If the HydroShield water filter leaks, find the leak and seal it. 2. Reset the counter. If it is a new filter size, change the filter size in the counter as well. 3. If the error persists, contact your service provider.
86	User ignored to change the HydroShield water filter	The user did not replace the HydroShield water filter.		1. If you ignore to replace the HydroShield water filter, you risk limescale in your oven, which may damage the oven.

Error	Fault	Cause	User	Remedy
90	The fan is too slow	The fan is not running at the correct speed.		1. Go to "Settings" "Software update" "Check online for new software" 2. Restart the oven in the "Settings" menu. 3. Clean the air intake filter. 4. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to "Fan test" in the "Settings" menu and find information about fan speed and reversing. 3. Replace any defective parts, if necessary. 4. If the error persists, contact your service provider.
92	The clock is wrong	The oven does not have a valid time and date setting. Functionalities like HACCP and timer start do not work correctly until the time is correctly adjusted.		1. Go to "Settings" "Software update" "Check online for new software" 2. Adjust time and date in "General settings" in the "Settings" menu. 3. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. If the oven has been disconnected from power more than seven days, the time will reset. 3. Set time and date, and restart the oven 4. If the error persists, contact your service provider.
95	Power failure. The oven has resumed IMPORTANT: Check the products very carefully before serving them.	The oven has been interrupted due to power failure. The oven has started again.		1. Restart will commence after 10, 20 or 30 minutes after power failure.
96	Power failure. The oven did not resume	The oven has been interrupted due to power failure. The oven did not start again.		1. Dispose of the products in the oven as they may be damaged. 2. You can change the restart time in the "Settings" menu. 3. Restart the oven.

Error	Fault	Cause	User	Remedy
97	Invalid configuration	The main voltage or frequency has not been configured. This error only appears in cases where the controller has been replaced.		1. Go to "Settings" "Software update" "Check online for new software". 2. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to "Heating" in the "Oven setup" menu. Find heating and set the power supply to the specifications of the oven. 3. Test the amps used on each phase. See section "Power connection – electrical oven" in the installation manual. 4. Check the setup of the oven to make sure the oven is set as configured. 5. If the error persists, contact your service provider.
99	Safety circuit fail	The oven thermo switch could be shorted.		1. Go to "Settings" "Software update" "Check online for new software". 2. If the error persists, contact your local service partner.
				1. Update the oven to the latest software. 2. Go to "Alarm test" in the "Test functions" menu, and check that there is connection to the thermo switch for oven cavity. 3. Measure the connectivity from the thermo switch for the oven cavity to the IO board. 4. If the error persists, contact your service provider.

How to read the PT1000 table

A PT1000 temperature sensor is a platinum resistor that changes resistance with temperature. At 0°C the resistance is 1000 Ω

Measuring the resistance

- 1. Disconnect the temperature sensor.
- 2. Set your multimeter to resistance (Ω) mode.
- 3. Place the probes across the two sensor leads.

Comparing the measured values with the PT1000 table



Values may vary depending on the accuracy of the multimeter

- 1. Look up the measured value in Ω in the table, and find the temperature that matches the best in the PT100 temperature sensor table.

Examples:

A) 1000 Ω = 0°C

B) 1097.3 Ω = 25°C

C) 1186.3 Ω = 48 °C

°C	0	1	2	3	4	5	6	7	8	9
0	1000.0	1003.9	1007.8	1011.7	1015.6	1019.5	1023.4	1027.3	1031.2	1035.1
10	1039.0	1042.9	1046.8	1050.7	1054.6	1058.5	1062.4	1066.3	1070.2	1074.0
20	1077.9	1081.8	1085.7	1089.6	1093.5	1097.3	1101.2	1105.1	1109.0	1112.9
30	1116.7	1120.6	1124.5	1128.3	1132.2	1136.1	1140.0	1143.8	1147.7	1151.5
40	1155.4	1159.3	1163.1	1167.0	1170.8	1174.7	1178.6	1182.4	1186.3	1190.1



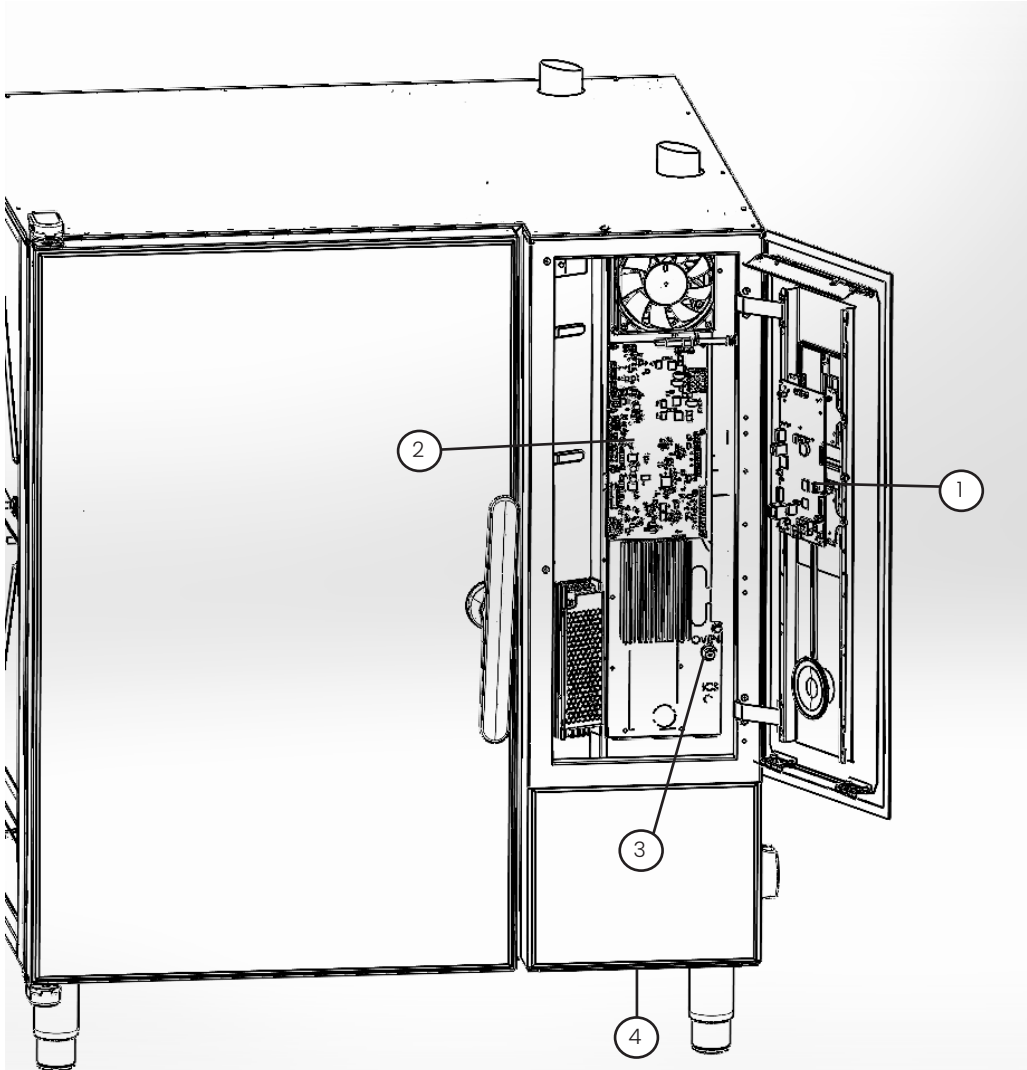
To check if the oven is having the correct temperature, put an external temperature sensor in the oven cavity. Start the fan wheel for a couple of minutes to assure that the heat is the same in the cavity.

PT1000 temperature sensor table

°C	0	1	2	3	4	5	6	7	8	9
0	1000.0	1003.9	1007.8	1011.7	1015.6	1019.5	1023.4	1027.3	1031.2	1035.1
10	1039.0	1042.9	1046.8	1050.7	1054.6	1058.5	1062.4	1066.3	1070.2	1074.0
20	1077.9	1081.8	1085.7	1089.6	1093.5	1097.3	1101.2	1105.1	1109.0	1112.9
30	1116.7	1120.6	1124.5	1128.3	1132.2	1136.1	1140.0	1143.8	1147.7	1151.5
40	1155.4	1159.3	1163.1	1167.0	1170.8	1174.7	1178.6	1182.4	1186.3	1190.1
50	1194.0	1197.8	1201.7	1205.5	1209.4	1213.2	1217.1	1220.9	1224.7	1228.6
60	1232.4	1236.30	1240.1	1243.9	1247.8	1251.6	1255.4	1259.3	1263.1	1266.9
70	1270.8	1274.6	1278.4	1282.2	1286.1	1289.9	1293.7	1297.5	1301.3	1305.2
80	1309.0	1312.8	1316.6	1320.4	1324.2	1328.0	1331.8	1335.7	1339.5	1343.3
90	1347.1	1350.9	1354.7	1358.5	1362.3	1366.1	1369.9	1373.7	1377.5	1381.3
100	1385.1	1388.8	1392.6	1396.4	1400.2	1404.0	1407.8	1411.6	1415.4	1419.1
110	1422.9	1426.7	1430.5	1434.3	1438.0	1441.8	1445.6	1449.4	1453.1	1456.9
120	1460.7	1464.4	1468.2	1472.0	1475.7	1479.5	1483.3	1487.0	1490.8	1494.6
130	1498.3	1502.1	1505.8	1509.6	1513.3	1517.1	1520.8	1524.6	1528.3	1532.1
140	1535.8	1539.6	1543.3	1547.1	1550.8	1554.6	1558.3	1562.0	1565.8	1569.5
150	1573.3	1577.0	1580.7	1584.5	1588.2	1591.9	1595.6	1599.4	1603.1	1606.8
160	1610.5	1614.3	1618.0	1621.7	1625.4	1629.1	1632.9	1636.6	1640.3	1644.0
170	1647.7	1651.4	1655.1	1658.9	1662.6	1666.3	1670.0	1673.7	1677.4	1681.1
180	1684.8	1688.5	1692.2	1695.9	1699.6	1703.3	1707.0	1710.7	1714.3	1718.0
190	1721.7	1725.4	1729.1	1732.8	1736.5	1740.2	1743.8	1747.5	1751.2	1754.9
200	1758.6	1762.2	1765.9	1769.6	1773.3	1776.9	1780.6	1784.3	1787.9	1791.6

Table 2

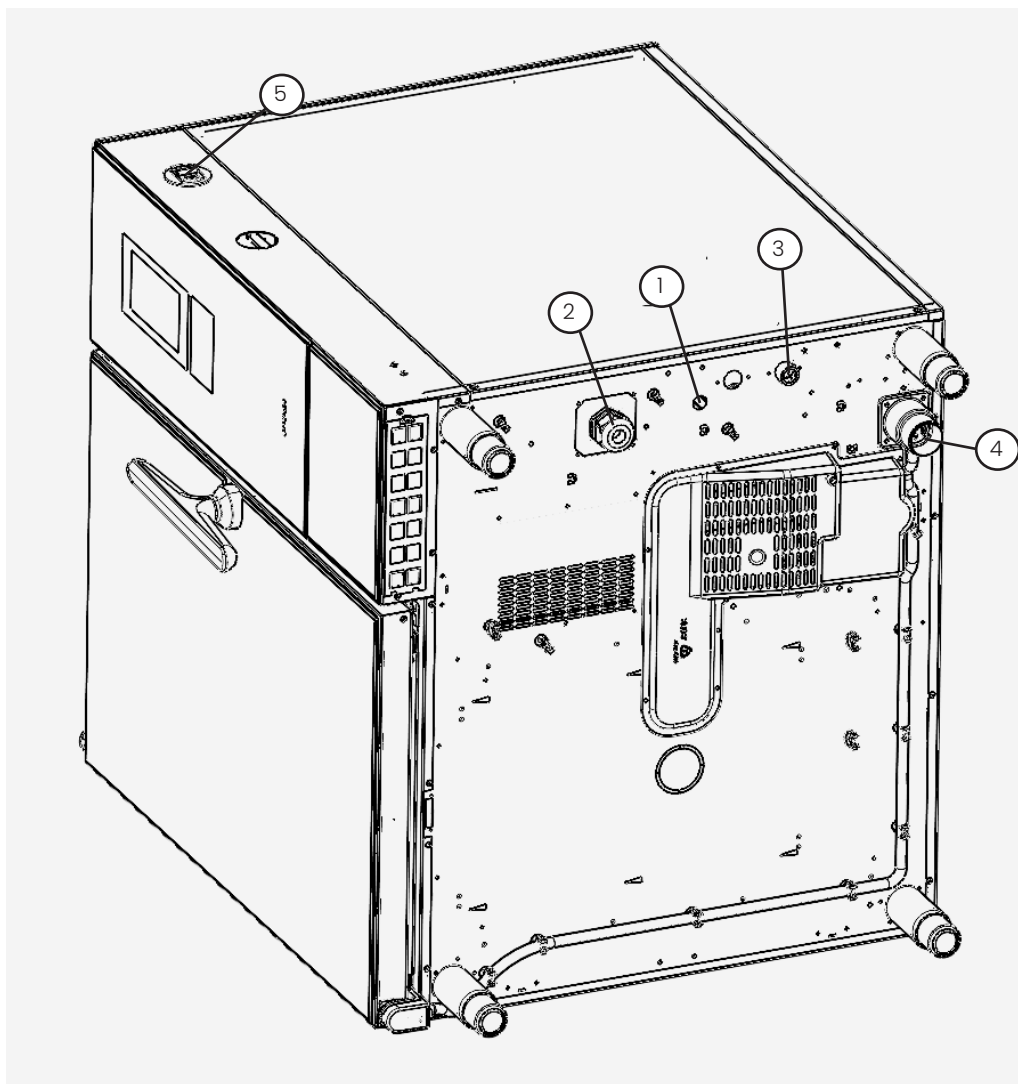
Oven overview



Example: Invoq Essence 6-1/1 GN, electric

Position	Description
1	CPU
2	IO board
3	Thermo switch, oven
4	Air intake filter

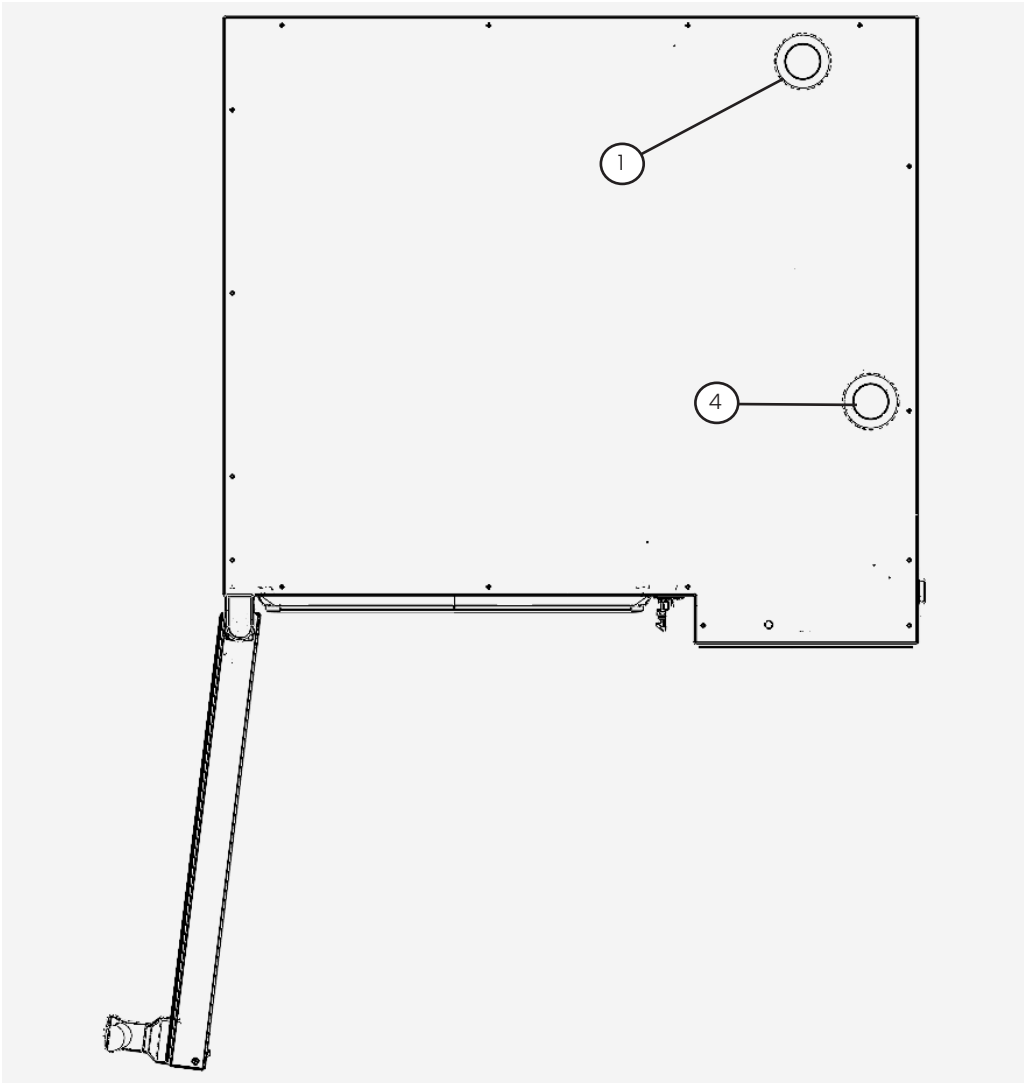
Table 3



Example: Invoq Essence 6-1/1 GN, electric

Position	Description
1	Ethernet connection
2	Electrical connection
3	Water inlet
4	Drain outlet
5	USB access

Table 4



Example: Invoq Essence 6-1/1 GN, electric

Position	Description
1	Exhaust from drain
2	Air intake

Table 5

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