

Lab Companion

High Temperature Industrial Oven

PH-512

Custom Solution

Brief Introduction



High temperature industrial oven save electricity, which is practical, good baking effect. With the most advanced heat insulation, heat cut-off technology, sealing effect is very good. Overtemperature can automatically alarm and disconnect the heating body, safer and more reliable. The air duct design is advanced, the temperature is heated evenly, the heating time is fast, and the temperature is stable and rapid. SSR output, LED digital display, accurate timing, automatic alarm, double overtemperature protection. Mainly used in electronics industry, electrolytic capacitors, keyboards, computers, communications, hardware, chemical, automotive parts and so on.

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Particularities:

- * High-strength, high-reliability structural design - to ensure the high reliability of the equipment;
- * The inner chamber material is SUS304 stainless steel - anti-corrosion, strong hot and cold fatigue function, and long service life;
- * High density polyurethane foam insulation - ensures minimal heat loss;
- * Plastic-sprayed surface - to ensure the lasting anti-corrosion function and appearance life of the equipment;
- * High-strength temperature-resistant silicone rubber sealing strip - ensures the high sealing performance of the equipment door;
- * A variety of optional functions (test hole, shelf, etc.) meets the user's needs for various functions and tests;
- * Environmentally friendly refrigerants - to ensure that the equipment is more in line with your environmental protection requirements;
- * Triple protection mechanism.
- * USB interface and Ethernet communication function enable the communication and software expansion function of the device to meet various needs of customers.

Technical Features:

Dimensions (mm)	Width	Height	Depth
Useful	800	800	800
Overall	1200	1590	1100

Temperature range

From room temperature to +200°C

Homogeneity and Regulation:

Temperature fluctuation:

$\leq \pm 0.5^\circ\text{C}$

Temperature deviation:

$\leq \pm 2.0^\circ\text{C}$

Temperature uniformity:

$\leq 2^\circ\text{C}$

Temperature rise time:

The average rising rate of the whole process is 3°C/min (under no load)

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Appearance Introduction and Description:

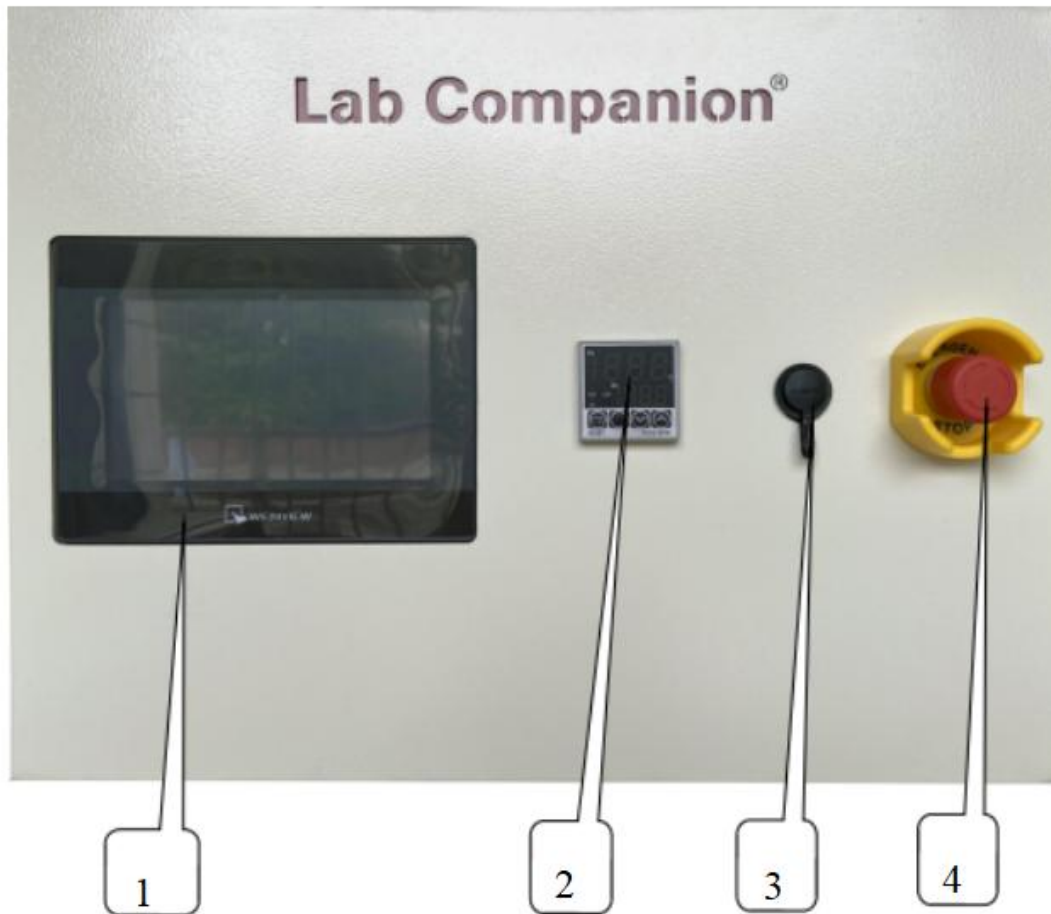
1. Front and side of the machine



Number	Name	Illustration
1	Three color lights	Green running, yellow standby, red fault
2	The control panel	Operation panel for machine operation
3	The test hole	An external power supply can be plugged in from the test hole for live product testing
4	The door lock	Pull the vertical door to open it

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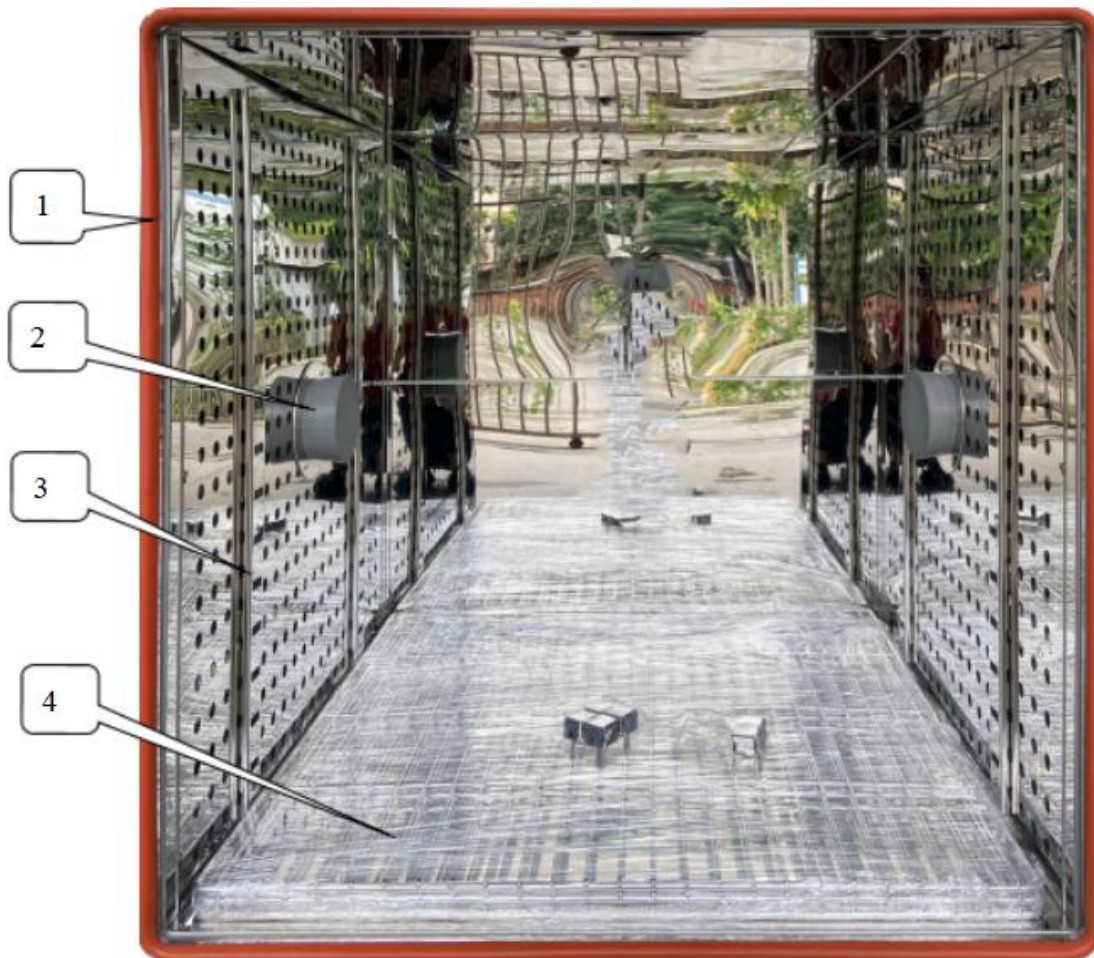
2. Control panel



Number	Name	Illustration
1	Controller	Touch screen programmable controller
2	Overtemperature protection	Set the upper temperature limit in the test area
3	USB interface	Used to copy curves or document-related data
4	Scram switch	Used to connect the device and cut off the power supply

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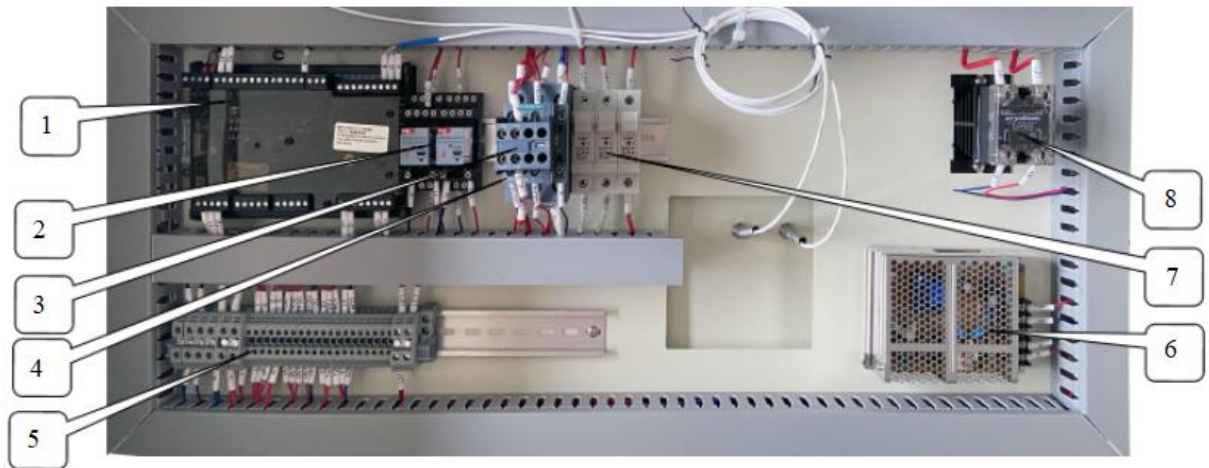
3. Test area



Number	Name	Illustration
1	Sealant	Heat preservation and air leakage prevention
2	Test hole	The product live test can be connected to the external power supply from the test hole
3	Sample rack track	Used to secure the sample holder
4	Sample holder	Used to place test products

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4. Power distribution room



Number	Name	Number	Name
1	Temperature controller	5	Connector terminal
2	Intermediate relay	6	Dc power supply
3	Auxiliary contact	7	Fuse
4	Ac contactor	8	Solid-state relay

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Test Report:

Temperature°C \ Stationing	85°C	125°C	200°C
A	85.4	125.1	200.1
B	85.1	125.4	199.9
C	84.8	125.7	199.7
D	85.2	126.0	199.9
E	85.3	125.9	200.0
F	85.5	126.1	200.2
G	85.7	126.4	200.4
H	85.6	126.2	200.1
O	85.4	126.0	199.8
Temperature Deviation	0.7	1.4	0.4
Temperature uniformity	0.8	1.3	0.7

Distribution map:

