Lab Companion

Vacuum Oven HZP-218

Custom Solution

Brief Introduction

Vacuum precision high temperature oven is designed for drying heat sensitivity, easy to decompose and to oxidize substances. It can fill the heat gas into the interior, and can also dry some complex ingredients quickly. Widely used in scientific research, universities, electrician, materials, textile, electronics, chemical, food, agriculture, semiconductor, polymer materials, military, aviation, shipping, post and telecommunications, automobile, medical, packaging, deep sea, outdoor, other industries and enterprises and institutions.

Particularities:

1. Excellent materials, convenient and practical, good sealing outside the box material are using high quality imported steel plate CNC machine tool processing molding. The shell surface is using plastic treatment, which is more smooth,and beautiful. The inner box material is made of stainless steel plate, in order to protect the product duration, unique structure and smooth operation.

2. The box door is closed and elastic can be adjusted. The overall formed silicone rubber sealing ring to ensure the high vacuum in the box. No reaction door handle is easier to operate.

3. The circuit system side adopts gate opening, convenient maintenance of high configuration, high efficiency and high speed.

4. Far-infrared nickel-chromium alloy high-speed heating electric heater is adopted. High temperature is completely independent system and does not affect low temperature test, high temperature test and alternating heat and humidity.

5. The output power of temperature and humidity control is calculated by the microcomputer to achieve the high precision and high efficiency.

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Technical Features:

Dimensions (mm)	Width	Height	Depth
Useful	560	650	600
Overall	960	1870	1020

Homogeneity and Regulation:

Temperature range
RT+ 10～200℃
Temperature resolution/fluctuation:
0.1℃/ ±0.5℃
Vacuum:
< 100Pa (0 to -0.1KPa)
Controller model:
C100

Power supply specifications:

AC 220 V, 50/60 HZ, 1 ∮ 3 wire

Rated current:

AC 23 A, power 5 KW

This machine is dedicated to the above marked power supply, please use according to the rated power distribution. If the use area is changed, please contact our company. Service phone 400-628-2786.

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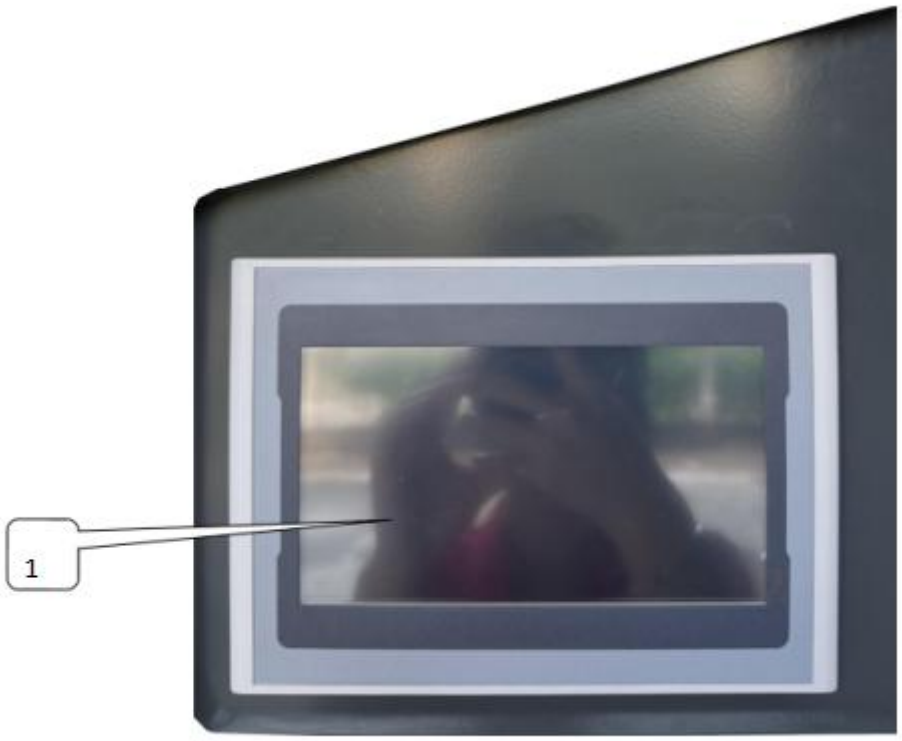
Appearance Introduction and Description:

1. Front and side of the machine

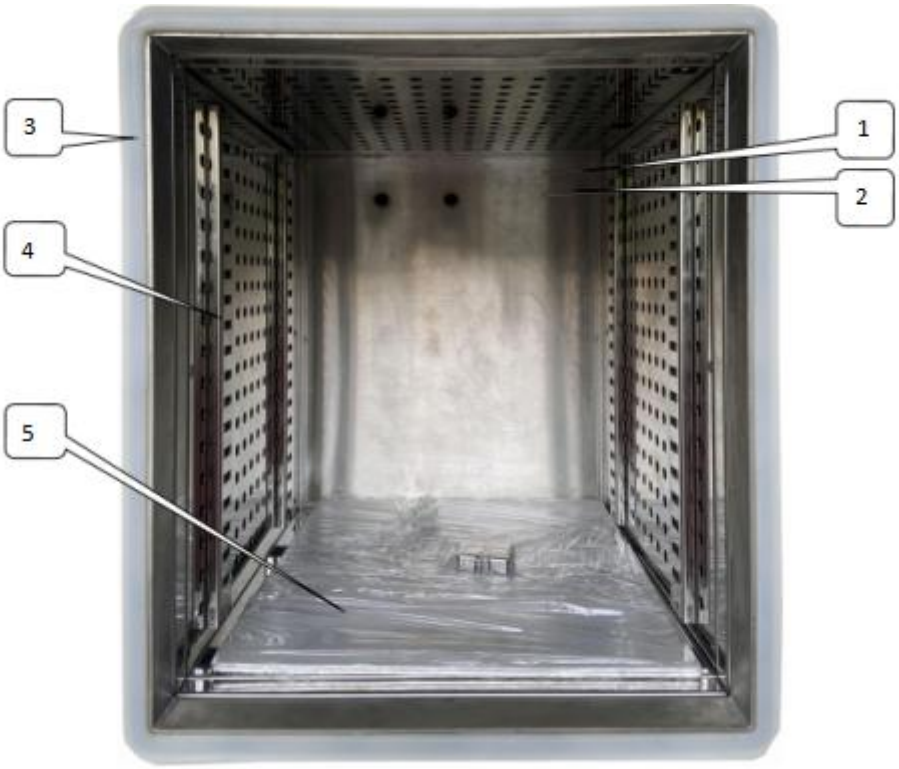
Number	Name	Illustration
1	Three color lights	Green running, yellow standby, red fault
2	Over temperature Setting	To Set the upper temperature limit in the test area
3	Scram switch	Used to connect the device and cut off the power supply
4	USB interface	Used to copy curves or document-related data
5	Network interface	The computer can be connected to the controller through the network cable for remote operation
6	The door lock	Pull the lock to open the test box door
7	Controller panel	The intelligent operating panel

2. Control panel



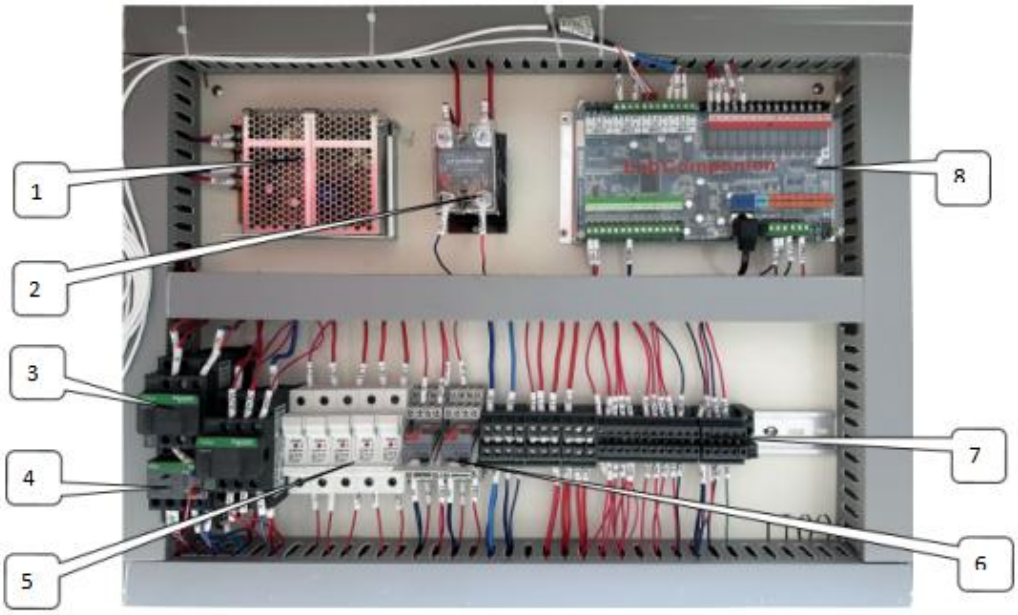
Number	Name	Illustration
1	Controller	Touch screen programmable controller

3. Test area



Number	Name	Specification
1	Thermal resistance sensor	Used for panel overtemperature sensing the temperature of the inner box
2	Thermal resistance sensor	Used for the controller to sense the temperature of the inner box
3	Sealant	Heat preservation and air leakage prevention
4	Sample rack track	Used to secure the sample holder
5	Sample holder	Used to place test products

4. Power distribution room



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

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Test Report:

Temperature°C / Scatter	85°C	125°C	150°C
A	85.6	125.3	150.0
B	85.8	125.0	149.8
C	86.0	124.9	150.2
D	86.2	125.1	150.5
E	86.0	125.3	150.7
F	86.1	125.5	150.3
G	86.4	125.8	150.0
H	86.0	126.0	150.2
O	85.9	126.1	150.5
Temperature deviation	1.4	1.1	0.7
Temperature uniformity	0.8	1.2	0.9