Lab Companion

High Temperature Charged Aging Chamber PH-1690

Custom Solution

Brief Introduction

High Temperature Charged Aging Chamber is also called Constant Temperature Aging Room or High Temperature Aging Room, is for high-performance electronic products to simulate a high temperature and harsh environment test, which is an important experimental equipment to improve product stability and reliability.It is an important production process for each production enterprise to improve product quality and competitiveness. The equipment is widely used in electronic, electrical, computer, communication, biopharmaceutical, security, lighting and other fields. The High Temperature Charged Aging Chamber is usually composed of air duct system, temperature control system, indoor test architecture, etc.

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Technical Features:

Dimensions (mm)	Width	Height	Depth
Useful	1300	1300	1000
Overall	1760	2240	1470

Temperature range
RT~200℃

Homogeneity and Regulation:

Temperature fluctuation:
≤±0.5℃
Temperature deviation:
≤±2.0℃
Temperature uniformity:
≤3℃(No-load)
≤5.0℃ (full load 510KG aging frame, the sample is not energized)
≤15.0℃ (full load 510KG aging frame, sample energized, heat value 10KW)
Temperature rise time:
3℃/min (RT℃→+120℃) The whole process of nonlinear heating, no-load)
Load:
full load 510KG+heat value10KW
Power supply specifications:
AC 380 V, 50/60 HZ, 3 ∮ 5 wire
Rated current:
AC 15 A, power 10 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.

Other parameters:

Controller model:
C100

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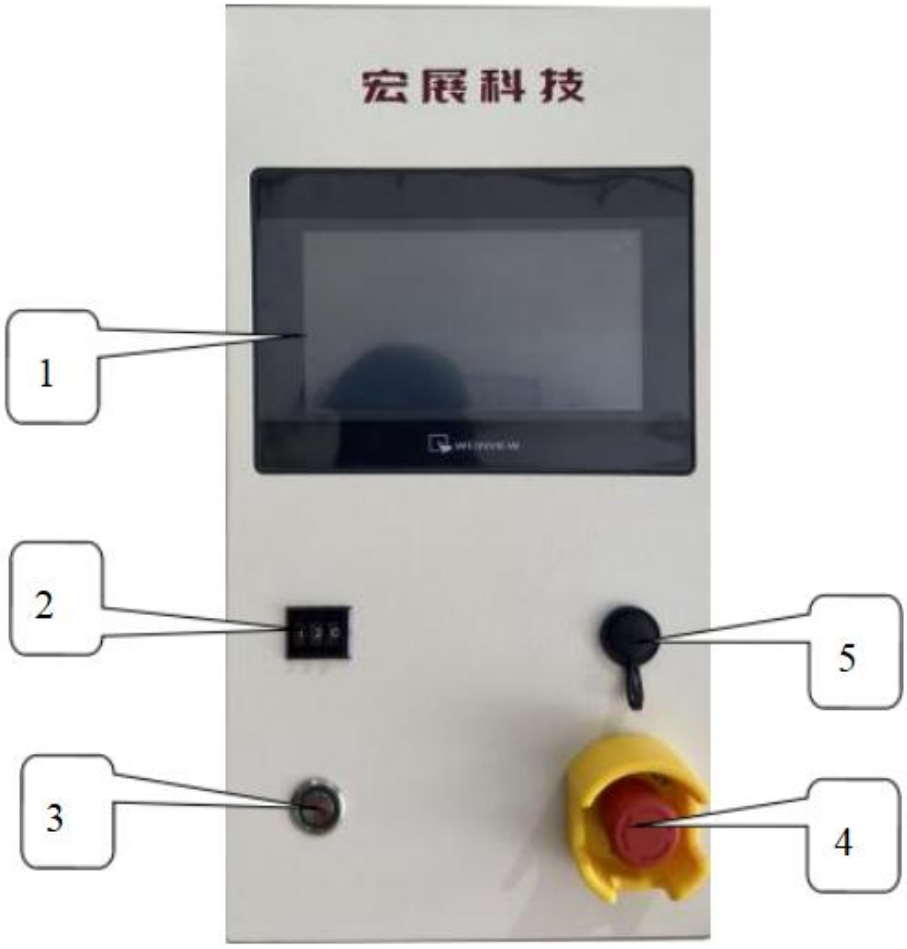
Appearance Introduction and Description:

1. Front and side of the machine

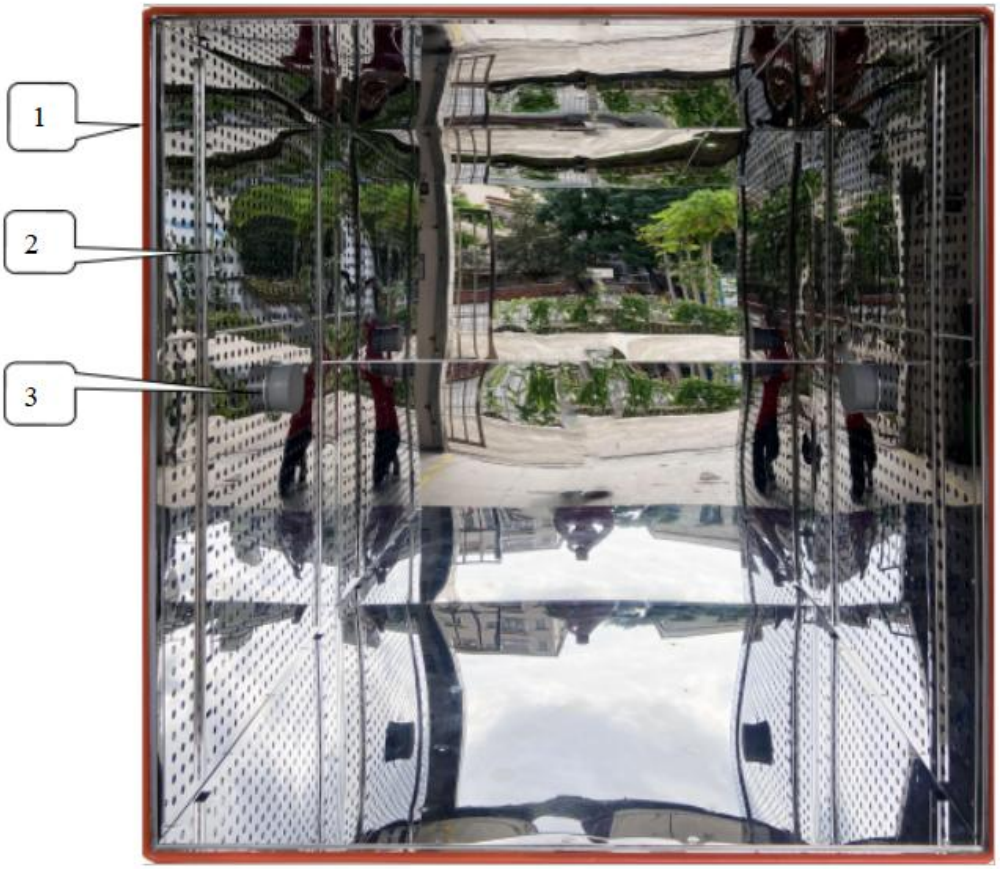
Number	Name	Illustrate
1	Tricolor light	Green light means running, yellow standby, red fault
2	Aviation plug	Customized by customers
3	Controller panel	The intelligent operating panel
4	Test hole	An external power supply can be plugged in from the test hole for live product testing
5	Door lock	Pull on the handle to open the door
6	Glass Window	To observe the workings of the inner studio

2. Control panel



Number	Name	Illustrate
1	Controller	Touch screen programmable controller
2	Overtemperature	Setting Sets the upper temperature limit in the test area
3	Power switch	Power switch
4	Emergency stop switch	Used to connect the device and cut off power supply
5	The USB interface	Used to copy data related to curves or documents.

3. Test area



Number	Name	Specification
1	Sealant	Heat preservation and air leakage prevention
2	Sample rack track	Used to secure the sample holder
3	The test hole	An external power supply can be plugged in from the test hole for live product testing

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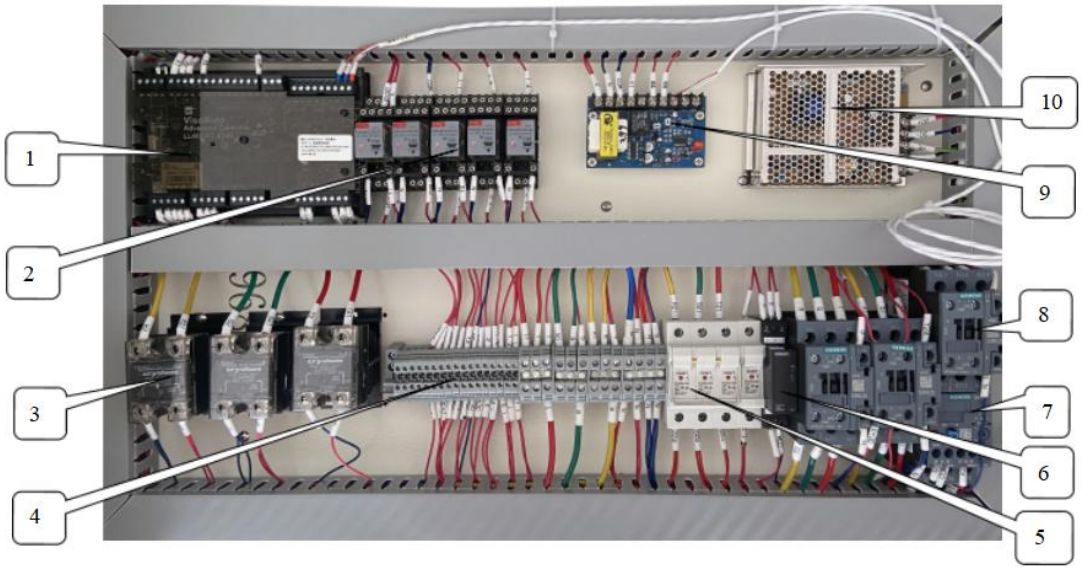
4. Power distribution room



Number	Name	Number	Name
1	Temperature controller	6	Underinverting phase protector
2	Intermediate relay	7	Thermal overload relay
3	Solid state relay	8	Ac contactor
4	Connector terminal	9	Overheated plate
5	Fuse	10	Dc power supply

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Test Report:

	Item	Test name	Result
Item No. 5896	1	Assembled assembly inspection	Qualified
	2	Movement sequence check	Qualified
	3	Safety protection check	Qualified
	4	Grounding conductivity check	Qualified
	5	Insulation impedance check	Qualified
	6	Labeling instructions check	Qualified

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Uniformity Test：

Temperature℃ / Scatter	85℃	150℃	200℃
A	84.7	150.2	199.5
B	84.9	150.3	199.7
C	85.2	150.5	199.9
D	85.5	150.7	200.1
E	85.7	150.6	200.3
F	85.5	150.8	200.1
G	85.9	151.0	199.8
H	86.1	151.2	200.0
O	86.0	151.5	200.5
Temperature deviation	1.1	1.5	0.5
Temperature uniformity	1.4	1.3	1.0