

Walk-in high-and low-temperature Test ChamberT-6300-35

Custom solutions

Walk-in high and low temperature Test Chamber is suitable for storage, transportation and use in high and low temperature alternating hot and humid environment. It is a reliability test equipment for cold resistance, heat resistance, moisture resistance, dry resistance and pipe engineering



Widely used in key laboratory and large third-party testing laboratory, involving aviation, aerospace, weapons, ships, automobile, intelligent, new manufacturing, communications, measurement, electronics, railway, railway, electricity, medical and research institutions and many other key areas of national economy, under the condition of high and low temperature environment for large test piece temperature stress detection, temperature and humidity screening, reliability test, performance test, weather test, high and low temperature storage, etc.

Technical characteristics

Performance:

Type: PSLW-24

Temperature range: $-35^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Temperature fluctuation: $\pm 0.5^{\circ}\text{C}$ (considering the effect of test sample fan opening and shutdown during equipment operation)

Temperature deviation: $\pm 2.0^{\circ}\text{C}$

Temperature uniformity: 2.0°C

Temperature drop time: $+30^{\circ}\text{C} -35^{\circ}\text{C}$ 240min (load 500 KG aluminum lake or dry soil)

Working volume: 6.3m^3

Dimensions (mm)	W	H	D
Use full	1500	2100	2000
Overall	1760	2575	3440

Structural features:

1. The whole box adopts the overall structure. Box structure
2. The inner box body adopts 1.0mm SUS304 stainless steel plate, 1.0mm cold rolled steel plate is sprayed on the outside, and the insulation material adopts ultra-fine glass insulation cotton.
3. Gate sealing adopts double-layer silicone rubber sealing material.
4. The observation window is multi-layer conductive film tempered insulating glass, In order to prevent glass frost at low temperature, special safety voltage heating wire surround and tropical power supply voltage 36V, and equipped with lighting to provide lighting for observation.
5. On the side of the box is equipped with $\phi 50\text{mm}$ test hole with plug, the plug is made of silicone rubber with low foam, which can withstand high and low temperature, and has thermal insulation efficiency.
6. There is an air regulating cabinet at the back side of the chamber studio, during which the humidifier, evaporator, electric heater, fan, fan volute and other equipment are installed.
7. The temperature sensor is placed in the air outlet.
8. The air supply mode in the test box is the cooling system of upper air supply and lower cooling air.

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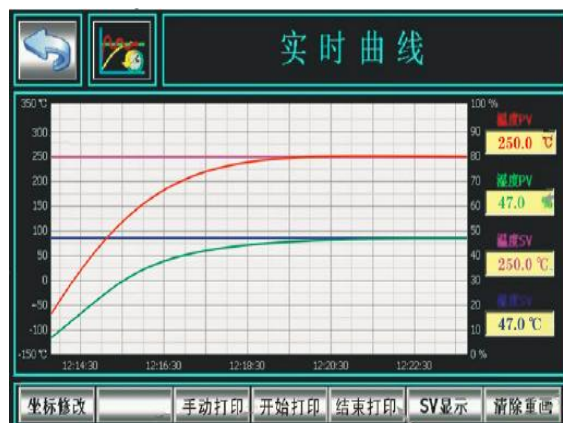
▶ Control system: Hongzhan C100 touch screen temperature program controller

Function:

1. Super large touch screen: photo-quality full true color 7' 88 (H) × 155 (W) mm, resolution 800×480 (true color)
2. Accurate sampling and measurement cycle: 0.6s, rapid response of the instrument
3. Super program group capacity: 250 PATTERN (group) / 12500 STEP (segment) / 0~520H59M / STEP (segment) time adjustable
4. Long fixed value time setting: 0~99999H59M adjustable
5. Long cycle number setting: each group of programs can be set 1~32000 times (small cycle can be set 1~32000 times)
6. Communication function:
 - (1) Standard USB interface download curve and data.
 - (2) Standard R-232C computer interface.
 - (3) Internet connection interface (to be specified when ordering)
7. Additional functions:
 - (1) Appointment start setting.
 - (2) The estimated end time of operation is indicated, and the approximate end time is understood.
 - (3) Power-on time accumulation, running time accumulation.
 - (4) Program end planning (program connection, transfer to fixed value, shutdown, etc.)
8. Energy-saving control function: cold output balance can be selected to effectively reduce the mutual consumption of cold and heat, and save 30% of electricity compared with the same period last year.
9. The customer data input function can independently input the information of the unit, department, telephone and other information, and the use of the machine is clear at a glance
10. Data storage:
 - (1) The actual value of PV/SV setting value is recorded and saved according to the sampling cycle.
 - (2) Curve, historical data can be selected by USB to copy by date.
 - (3) According to 60 seconds of sampling, 120 days of data and curves can be recorded



Display the interface



Temperature profile

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