

Air Pressure Test Chamber , Programmable High Low Temperature Test Chamber

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: IEC60068-2-2:2007 , MIL-STD-810F , ASTM D1171 , GB/T2423
- Model Number: YX-GDJS-2000L-C
- Minimum Order Quantity: 1 pcs
- Price: usd+20000-50000+pcs
- Packaging Details: wooden box package
- Delivery Time: 30-45 Days
- Payment Terms: T/T
- Supply Ability: 100+pcs+30

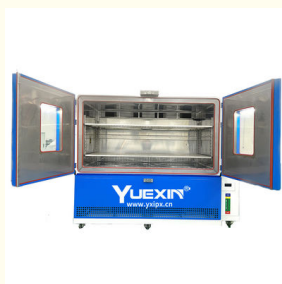


Product Specification

- Experimental Scenarios: High Temperature, Low Temperature, Hot And Humid Environment
- Sample Load-bearing: 50kg
- Test Function: High Low Temperature Test Chamber
- Data Export Form: XLS Form
- Title: High Low Temperature Testing Equipment , High Low Temperature Test Chamber
- Controller: 7-inch Touch Screen
- Highlight: **ASTM D1171 Pressure Test Chamber , Air Pressure Test Chamber , Programmable High Low Temperature Test Chamber**



More Images



Product Description

High Low Temperature Air Pressure Test Chamber, Programmable High Low Tester

General specifications:

Dimension	Outer: Approx W1010×D 1120×H 1720 (mm); Inner: Approx W500×D 600×H 750 (mm)
Material	External: Steel plate; Internal: 304 stainless steel
Power supply	220V/50HZ
Power	6.5 kW

The main product features:

This high-low temperature chamber serves as a vital testing apparatus, replicating operational scenarios of products under extreme thermal conditions. It meticulously regulates the interior temperature, subjecting products to both cyclic and sustained tests across a broad temperature range, thereby assessing their resilience to weather, stability, and material compatibility.

Air supply characteristics: air supply from the upper part and return air from the lower part to ensure stable uniformity.

Refrigeration mode: Air-cooled mode is adopted to automatically switch the flow rate of the refrigeration system according to different working conditions, and the constant section cuts off redundant systems to maintain energy-saving operation and cooling control.

The combination of multi-stage evaporators can obtain more uniform and efficient cooling exchange efficiency and cooling output.

Heating tube: bare wire nickel-chromium alloy electric heating tube.

Humidification system: All stainless steel embedded humidification tubes are used, the insulation resistance is greater than 50MΩ, and it has an anti-dry explosion-proof protector.

Test hole: A standard test hole, located at the left side of the work room which is convenient for users to connect external power supply.

Window: The door frame is equipped with electric heating function, which can prevent frosting and condensation, and is convenient for users to observe and test.

Insulation layer: rigid polyurethane foam + ultra-fine environmentally friendly glass fiber cotton to ensure temperature stability.

Control method: 7-inch touch screen (resolution 800*480) setting, easy to operate and supports switching between Chinese and English.

Software function: It can store temperature and humidity data and export it in XLS form.

Protection functions: overheat protection, overpressure protection, overtemperature protection, leakage protection, short circuit protection, water shortage alarm.

Application:

The high and low temperature test chamber is widely used in industries such as electronics, automotive, and aerospace to simulate the working environment of products under extreme temperatures, evaluating their weather resistance, stability, and material adaptability, thereby ensuring product quality and reliability.

Standard parameters:

Item	Parameters
Temperature range	-40 ~ +150
Humidity range	20% ~ 98%RH (limited temperature range, see diagram)
Temperature fluctuation	±0.5
Humidity fluctuation	±2.5%RH
Temperature deviation	≤±2
Humidity deviation	A)>75%RH:≤+2-3%RH B)<75%RH:≤±5%RH
Temperature uniformity	≤±2.0 (-40 ~ +150)
Heating rate	From 25 to 150 /45min (Full average nonlinearity, no load)
Cooling rate	From 25 to -40 /60min (Full average nonlinearity, no load)
Temperature rise and fall overshoot	≤2
Noise	≤70dB
Power supply	220V/50Hz
Power	6.5KW

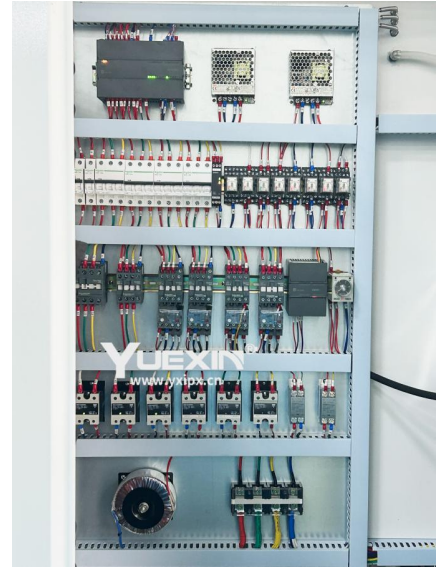
Notices:

- 1 The pictures in this document are for customer reference only, and there may be color differences between the actual model and the pictures.
- 2 This document only lists some test standards, which does not mean that other test requirements and standards cannot be conducted. Welcome to communicate and discuss with us.
- 3 Our company has other types of testing machines that can be supplied, and users are welcome to consult.
- 4 The photos may not match the actual ones, and are for user reference only.

Product detail images:



circuit



circuit board

Tags: Temperature Fast Change Test Chamber, High-low Temperature Test Cabinet, High Low Temperature Air Pressure Testing Equipment



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