
Programmable Constant Temperature Humidity Test Chamber -70°C~150°C (HY-2225)



A fixed temperature and humidity conditioning test climatic chamber can simulate a wide range of environmental conditions and is suitable for testing the performance of materials under different conditions, such as resistance to heat, dryness, humidity, and coldness. By subjecting materials to these conditions, it is possible to evaluate their durability, stability, and other performance characteristics. This type of testing is important in various industries, such as aerospace, automotive, construction, and electronics, where materials must perform reliably in harsh environments.

Standards:

IEC60068 2-1/2/3/30, GB/T2423/5170/10586, JIS C60068, ASTM D4714, CNS3625/12565/12566

Characteristics:

1. Use the high precision microcomputer touch temperature and humidity controller with high stability of platinum resistance to temperature and wind speed in the circulatory system of temperature and humidity test.
2. Control temperature & humidity well-distributed, precisely and steady.
3. Completely independent system separate for testing in high temperature, low temperature and constant temperature&humidity environment.



Specifications

Model	HY-280	HY-2150	HY-2225	HY-2408	HY-2800	HY-21000
Inner Size W×H×D(cm)	40×50×40	50×60×50	50×75×60	60×85×80	100×100×80	100×100×100
External Size W×H×D(cm)	93×155×95	100×148×106	117×166×118	122×176×121	158×186×148	158×195×168
Volume(L)	80 L	150L	225L	408L	800L	1000L
Temp&Humi Control Range	Temp. Range: A: -20°C~150°C Humi.range: RH20%-98% B: -40°C~150°C C: -60°C~150°C D: -70°C~150°C (Other temperature and humidity range can be customized)					
Temp&Humi Fluctuation	±0.5°C;±2.5%RH					
Temp&Hum Departure	±0.5°C±2°C;±3%RH(>75%RH); ±5%RH(≤75%RH)					
Controller Resolution	±0.3°C;±2.5%RH					
Controller Brand	TaiTong					
Material Inwall	SUS 304# steel plate					
Housing	SUS 304# steel plate surface fog processed					
Heat Insulator	resistance to high temperature, high chlorine acid b vinegar foam insulation materials					
Aie Circulation Way	centrifugal fan-broadband type force air circulation					
Refrigeration Way	cascade type multiple refrigeration					
Refrigerater	fully enclosed piston compressor Taikang France					
Refrigerants	R4O4Aor American dupont environmental protection cold media(R23+R404)					
Condensing Way	Air-cooling					
Heater	nickel chrome heating wire heater					
Humidifier	semi-closed steam					
Water Supply Way	automatic cycle water supply					
Safety Devices	*Leakage current *Overload *Compressor overload *Over temperature *Ultra-wet/dry *Humidification temperature protection.					
Power	380V or 220V AC±10% 50/60Hz					

PRODUCT FEATURES

