

Temperature Shock Test Chamber-Three Zone

Temperature Shock Test Chamber-Three Zone, there are three zones: high temperature zone, low temperature zone and test zone. The sample is placed in the test area and cannot be moved. Thermal shock test chamber is metal, plastic, rubber, electronics and other materials industry essential test equipment for testing material structure or composite materials, in the very high and very low temperatures by the temperature instantaneous rapid changes in a certain number of times, to be able to detect in a short period of time due to thermal expansion and contraction of the specimen caused by the chemical changes or physical damage.



Features:

High precision sampling, energy saving and power saving:
0.1 high-precision sampling, sampling for 1M, instead of computer storage, large storage space, 24 hours continuous boot can save 3 months of data. New PWM cold control technology to achieve low-temperature energy-saving operation. Refrigerant servo valve flow algorithm control. Power saving 30%.

Support a variety of data transmission modes, convenient for remote monitoring and data collection: With USB interface, you can download the historical curve, historical data, instead of the recorder to support RS485, LAN (network port), GPRS (mobile phone) and other ways of communication, convenient for remote monitoring and data acquisition. USB2.0, can be tested to run the data recording and downloading.

A variety of safety protection devices:
Compressor overpressure protection, compressor thermal overheating, compressor motor overcurrent, adjustable over-temperature protection, test space temperature fuse, air conditioning channel over-temperature, leakage short-circuit protector, the total power supply phase sequence protection, overload disconnection protection, load short-circuit protection.

Specification:

Volume and Size Nominal content area: 80L
Inner box size(W X D X Hcm): 40X50X40
Outer box size(W X D X Hcm): 155x170x185
Preheating upper temperature: +200 °C
Warming time: room temperature → +150 °C ≤ 40min
Note: The temperature rise time is the performance of the high-temperature box when operating alone
Pre-cooling lower limit temperature: -55°C
Cooling time: room temperature → -60 °C ≤ 60min
Note: The cooling time is the performance of the cryostat when operating alone
Shock temperature -40°C~+150°C
Temperature deviation: ±2.0°C (at constant, no load)
Temperature fluctuation: ≤±0.5°C
Temperature changeover time:3~5min
Damper switching time <5sec
Impact dwell time 15 min or more

ChiuVention INSTRUMENT LTD

As one of the climate chamber manufacturers, we are confident that we can solve various things for our customers. Please feel free to purchase our environmental test chamber or connect with us.

✉ : sales4@chiuvention.com
☎ : +86 769 2329 4842 +86 769 2329 4860
🌐 : chiuventionclimatechamber.com
📍 : Industrial Zone No.1, Gangyuan Avenue, Shimei Community, Wanjiang, Dongguan, Guangdong, China