

High and Low Temperature & Explosion Proof Testing Chamber for Battery

Product Features

It is suitable for high temperature testing of power batteries, electronics, machinery and other products, components, materials, etc., and testing of quality and reliability of products, components and materials under simulated temperature changes.



SPECIFICATIONS

Temp. range	-40°C ~ +150°C
Temp. deviation	≤ ±2.0°C
Temp. fluctuation	±0.5°C
Temp. uniformity	≤2.0°C
Heating and cooling rate	Heating rate : -40°C ↑ +100°C within 45min(no-load, environmental temperature +25°C) Cooling rate: +20°C ↓ -40°C within 60 min(no-load, environmental temperature +25°C)
Dimension of the chamber	Interior size : W700 x H750 x D800 mm Exterior size : W900 x H1785 x D1860 mm
Insulation box	Outer wall material: Cold-rolled steel plate, thickness 1.5mm, with static color spray Inner wall material: SUS304 # matte stainless steel plate, thickness 1.0mm, a certain of corrosion resistance Insulation materials: rigid polyurethane foam insulation layer + glass fiber.
Door	Single door, open on the left, heating wire was installed at the door frames to prevent condensation at low temperatures.
Observation window	Install multi-layer vacuum observation window size: W 210 × H 270mm on the chamber door, the glass is equipped with stainless steel protection net to prevent the glass from scattering during explosion (can not guarantee absolute safety)
Lighting device	LED lighting
Heater	High quality nickel – chromium alloy wire electric heater, Contactless control mode (SSR)
Water outlet hole	Available for drain the condensate water
Threading hole	Φ 100mm located on both sides(each*1) with rubber stopper and plastic cover
Sample holder	Two layers of sample holder, height is adjustable, Load weight 30kg / layer
Mobile Casters	Mobile Casters *4 with foot cups
Electric control box	Total power circuit breaker, over-temperature protection.
Explosive pressure relief device	When the pressure in the equipment or pipeline exceeds the safety valve pressure relief automatically open Equipped with: Bursting disc, protective cover ,sensor switch, exhaust fan Function: a. When the test items in the box explode, there is a pressure release pipe b. Protect the test equipment from sudden air pressure damage c. Protecting people
Ventilator	When the pressure in the tank exceeds the pressure of the safety valve and opens the pressure relief valve, the exhaust fan is automatically turned on.