

Temperature Humidity Environment Chamber

Applications

1. To simulate test environment with different temperature and humidity.
2. Cyclic test includes climatic conditions: Holding test, cooling-off test, heating-up test, moistening test and drying test.
3. Cable port with flexible silicone plug for cable routing to provide the condition of test unit under operation.
4. Uncover test unit weakness in a short-term test with accelerated time effect.

Standard Features

Internal Dimension (WxDxH)	500x500x600mm
External Dimension (WxDxH)	1000x1070x1500mm
Temperature Range	-40~+150 °C
Temperature Accuracy	±1 °C
Humidity Range	20~98%R.H.
Humidity Accuracy	±3%R.H
Cooling Speed	1 °C/min in average (without loading)
Heating Speed	3 °C/min in average (without loading)
Internal Chamber Material	SUS#304 stainless steel, mirror finished
External Chamber Material	Stainless steel with paint spray
Cooling Method	Air cooling
Controller	LCD touch screen, programmable control temperature and humidity & can set different parameter for cyclic test
Insulation Material	50mm high density rigid Polyurethane foam
Heater	Explosion-proof type SUS#304 stainless steel fins radiator pipe heater
Compressor	France Tecumseh compressor
Lighting	Heat Resistance
Temperature sensor	PT-100 dry and wet bulb sensor
Observation Window	Tempered glass
Testing Hole	Diameter 50mm, for cable routing
Sample Tray	SUS#304 x 2pcs
Safety Protection Device	Protection for leakage, Over-temperature, Compressor overvoltage and overload, Heater short circuit, Water shortage
Test Standards	IEC 60068-2, IEC 60598, IEC 60947, IEC 61646, IEC60721, IEC 61215 (10.11, 10.12, 10.13), EN 14511, ASTM E1171, ISTA