

**PCB Metals Parts Temperature and Humidity Environmental Test Box**

KASONTTEST®

**Equipment summary:**

PCB Metals Parts Temperature and Humidity Environmental Test Box is applied to test the materials in heat-resistance, cold-resistance, dry-resistance, moisture-resistance. It is simple to operate and program easy to edit. It can show the set values and operative time.

**Features:**

1. High-texture appearance, the surface handled through the matte stripes, and use of planar non-reactive handles, easy to operate, safe and reliable.
2. Rectangular complex glass window can be viewed the testing sample, windows with anti-sweat heater device that prevents water vapor condensation, and high-brightness PL light.
3. Double-insulated airtight container, which can effectively isolate the internal temperature of leakage.
4. With an external water supply system can be easy to supply water and automatically reuse.

- Compressor circulatory system from French "Taikang", more effective removal of oil between the condenser and the capillary and use environmentally refrigerants (R23, R404, R507).
- Controller imported LCD display screen can be displayed measuring values and setting the value and time.

#### Corresponding standard:

- International Electrotechnical Commission Standard:

IEC68-2-03\_test method Ca\_Steady damp-heat

IEC68-2-01\_test method A\_cold

IEC68-2-02\_test method B\_dry heat

- Military Standards:

MIL-STD-810F-507.4 humidity

MIL-STD-810F-501.4 high temperature

MIL-STD-810F-502.4 low temperature

MIL-STD883C test method 1004.2 temperature and humidity cycling test

MIL-STD810D test method 502.2

MIL-STD810 test method 507.2 procedure 3

- Japanese Industrial Standard:

JIS C60068-2-3-1987 test method Ca: Steady damp-heat

JIS C60068-2-2-1995 test method B:dry heat

JIS C60068-2-1-1995 test method A:low temperature

- USA Semiconductor Industry Standard:

JESD22-A101-B-2004 Constant temperature and humidity test

JESD22-A103-C-2004 High Temperature Storage Test

JESD22-A119-2004 Low Temperature Storage Test

#### Main technical specifications

Model	80L(A)	150L (B)	225L (C)	408L (D)	608L(E)	800L(F)	1000L (G)
Inside size W*H*D (cm)	40x50x40	50x60x50	50x75x60	60x85x80	80x95x80	100x100x80	100x100x100
Temperature range	-70℃~+100℃(150℃) (A:+25℃ B:0℃ C:-20℃ D:-40℃ E:-50℃ F:-60℃ G:-70℃)						
Humidity range	20%~98%R.H.(10%~98%R.H/5%~98%R.H is the specific condition)						
Accuracy/ uniformly	±0.1℃;±0.1%R.H./ ±1.0℃;±3.0%R.H.						
Accuracy / volatility	±1.0℃;±2.0%R.H./ ±0.5℃;±2.0%R.H.						
Heating / cooling time	About 4.0℃/min;about 1.0℃/min(5~10℃/mm is the specific condition)						
Inside material	Stainless steel SUS 304#						

Insulation material	High-temperature high-density amino acid ethyl ester foam insulation materials
Cooling system	Air-cooled/ single-stage compressor(-20℃) ,wind, water cooled/two-stage compressor(-40℃~-70℃)
Protection	compressor overload switch, high and low pressure protection switch, over-humidity-temperature protection switches, fuses, warning system
Accessories	recorder(purchase),view window,50mm testing hole,PL lamp,clapboard,Dry and wet gauze ball
Controller	TEMI580 digital controller from South Korea
Compressor	France Tecumceh
Power	1Φ 220VAC±10% 50/60Hz & 3Φ 380VAC±10% 50/60Hz

# FOCUS IN MATERIAL TEST

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