



YUYANG INDUSTRIAL CO., LIMITED

China Manufacturer of Fire Testing Equipment

Stainless Steel Environmental Test Chamber With Touch Screen Controller





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- **Product Details:**

- Place of Origin: **China**
- Brand Name: **YUYANG**
- Certification: **IEC68-2 GB 2423 MIL-STD-810D IEC60068-3**
- Model Number: **YY1008**

- **Payment & Shipping Terms:**

- Minimum Order Quantity: **1 set**
- Price: **Negotiation**
- Packaging Details: **Plywood Box**
- Delivery Time: **15-20 work days**
- Payment Terms: **T/T L/C Western Union**
- Supply Ability: **2 sets per month**

- Share to :

Stainless Steel Environmental Temperature Test Chamber With Touch Screen Controller

Purpose:

Programmable Temperature and Humidity Test Chamber simulates a full range of temperature and humidity conditions to test reliability, durability, climatic, freezing resistance, quality assurance, thermal endurance etc.

YY1008 Application:

- 1, Electronics, electrical appliances, sensors
- 2, Semiconductor, PCB, LCD & LED
- 3, Medicals tests
- 4, Mechanical, Military, aerospace products
- 5, Vehicles, Transport, automobile supply industries
- 6, Chemicals, Petrochemical industries
- 7, Building materials, Plastics, Textile industries
- 8, Testing metal related industries like plating etc.
- 9, Instrumentation

Features:

1. Chamber exterior material is stainless steel with environmentally baking paint resist corrosion and provides impact resistance. Interior material is SUS304# stainless steel with excellent heat resistance and easy to clean.
- 2, HL-1000 touch screen controller is designed to save chamber programming and setup time with temperature limit and alarm to protect your product.
3. Safety relay connection is provided to protect your device under test by removing power to it when the chamber is not running.

4, RS232 communications is for computer connection, programming can be set on computer by software, monitor testing process and automatically execute power on/off functions.

5, Fog free viewing window and interior light makes viewing workspace freely and observe the test under best conditions.

6, Adjustable product shelf slides out for easier product access. Shelf design is non-tipping and supports large product loads.

7, Left side of chamber with diameter 50mm cable port for power-on test.

8, Optional electronic humidity sensor is used on all test chambers for accuracy and minimal maintenance.

YY1008 series products conform following standards:

IEC68-2-1 (GB-2423.1-2008) Testing A: Low temperature testing method

IEC68-2-2 (GB-2423.2-2008) Testing B: High temperature testing method

MIL-STD-202F (GJB360.8-87) High temperature life testing

MIL-STD-810D (GBJ150.3) High temperature method

MIL-STD810D (GBJ150.4) Low temperature method

IEC68-2-3 (GB2423.3-93) Testing Ca: Constant moist heat testing method.

IEC68-2-30 (GB2423.4-93) Testing Db: Alternate moist heat testing method.

MIL-STD-810D (GJB150.9-93) Moist heat testing method

Optional Accessories:

Cable Port: Size of cable port is available for $\Phi 100\text{mm}$

Water purifier RO 80: Continuously provide purified water for humidifying heater and wet-bulb

Dehumidifier: The rotation regenerating dehumidifier M-120 ensures precise control of low humidity (10C, 15%RH) for electrostatic reliability tests.

Defrosting Device: The chamber automatically detects and melts the frost on the evaporator

when operating below 0°C in order to allow continuous operation

Electronic humidity sensor: Precision Humidity Sensor with stainless steel protection tube

Chamber Dimensions:

Model	Interior Dimension W × H × D	Exterior Dimension W × H × D	Interior Volume
YY1008-80A/B/C/D	400 × 500 × 400mm 15.7" × 19.7" × 15.7"	930 × 1310 × 810mm 36.6" × 51.6" × 31.9"	80L
YY1008-150A/B/C/D	500 × 600 × 500mm 19.7" × 23.6" × 19.7"	1030 × 1410 × 910mm 40.6" × 55.5" × 35.8"	150L
YY1008-225A/B/C/D	500 × 750 × 600mm 19.7" × 29.5" × 23.6"	1080 × 1620 × 1120mm 42.5" × 63.8" × 44.1"	225L
YY1008-416A/B/C/D	700 × 850 × 700mm 27.6" × 33.5" × 27.6"	1230 × 1660 × 1210mm 48.4" × 65.4" × 47.6"	416L
YY1008-800A/B/C/D	1000 × 1000 × 800mm 39.4" × 39.4" × 31.5"	1530 × 1810 × 1310mm 60.2" × 71.3" × 51.6"	800L
YY1008-1000A/B/C/D	1000 × 1000 × 1000mm 39.4" × 39.4" × 39.4"	1530 × 1810 × 1510mm 60.2" × 71.3" × 59.4"	1000L

Specifications:

Control Mode	Balanced Temperature and Humidity Control System
Temp. & Humid. Range	+5°C ~ +35°C; <85%R.H.
Temp. range	A=0°C, B=-20°C, C=-40°C, D=-70°C ~ +100°C(150°C)
Humid. range	10% ~ 98%R.H. (Optional: 5% ~ 98%R.H.)
Temp. & Humid. fluctuation	±0.5°C; ±2.5%R.H.
Temp. & Humid. uniformity	≤2.0°C; ≤3%R.H.
Temp. & Humid. Deviation	≤1.0°C; ≤2%R.H.

Temp. Heating Time	0°C ~ +100°Cwithin 30min; -20°C ~ +150°Cwithin 45min
Temp. Cooling Time	20°C ~ -40°Cwithin 60min; 20°C ~ -70°Cwithin 85min
Power Supply	AC380V, 50/60HZ, Three-phase (Specified by User)
Exterior Material	stainless steel with baking paint
Interior material	SUS304# Stainless steel
Insulation material	Rigid Polyurethane foam
Refrigeration system	Mechanical cascade refrigeration system; Fin type radiator
Circulation system	Mechanical convection system
Humid Water Supply	Automatic water regulating, recoverable supply system, water shortage alarm system
Water quality	Distilled water only, 20L Water tank capacity
Controller	HL-1000 Touch Screen Controller
Safety devices	Overheat protector Switch, Compressor overload protector Switch water shortage protector Switch, Humidifier protector Switch Fault alarm system
Accessories	Viewing window, Chamber Illumination, Cable port ø50mm, Product shelf slides 2 pieces, universal casters HL-1000 touch screen controller

- Note: 1, The performance values are no specimen inside the test area.
2, At 20°C ambient temperature, relative humidity 65%rh, rated voltage
3, According to IEC60068-3-5:2001 and IEC60068-3-6:2001
4, The above specifications are for reference only.



MENU	PROG RUN	NEXT																				
<p>TEMP °C</p> <p>19.61</p> <p>↑ SP 20.00 ↓ MV 42.4</p>	<p>HUMI %</p> <p>--- --</p> <p>↑ SP 0.0 ↓ MV 0.0</p>																					
<p>RUN PROG: 88 / 2</p> <p>PTN LOOP: 0 / 1</p> <p>SEG LOOP: 0 / 0</p> <p>REMAIN TIME: 0H49M</p>	<table border="1"> <tr><td>IS1</td><td>IS2</td><td>IS3</td><td>IS4</td></tr> <tr><td>TS1</td><td>TS2</td><td>TS3</td><td>TS4</td></tr> <tr><td>T1</td><td>T2</td><td>T3</td><td>T4</td></tr> <tr><td>AL1</td><td>AL2</td><td>AL3</td><td>AL2</td></tr> <tr><td>T.RUN</td><td>H.RUN</td><td>T.WAIT</td><td>H.WAIT</td></tr> </table>	IS1	IS2	IS3	IS4	TS1	TS2	TS3	TS4	T1	T2	T3	T4	AL1	AL2	AL3	AL2	T.RUN	H.RUN	T.WAIT	H.WAIT	
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AL1	AL2	AL3	AL2																			
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<p>2012-12-01 10:28:57</p>	<p>HOLD</p>	<p>STEP</p>																				
		<p>STOP</p>																				