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## DW1490 PROGRAMMABLE TEMPERATURE AND HUMIDITY TESTING CHAMBER



**Control Panel**



**Rack**

## Model No.

**DW1490**

## Application:

**DW1490 Programmable Temperature and Humidity Testing Chamber** is used to provide conditions for specimens with alternation of high and low temperatures and alterative temperature. It is applicable to geosynthetics, rubber, plastic, electric and electronic products and parts, electrical appliances, meters, components, automobile parts and fittings and so on.

## Related Standards:

STANDARDS	GB/T 2423.1	IEC 600068-2-1
	GB/T 2423.2	IEC 600068-2-2

Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

## Features:

- Use 16-bit industry-grade PLC, programmable controller to control the temperature, humidity and time, more excellent anti-jamming and high-reliable data;
- TEMI (South Korean) LCD colorful touch panel;
- Real-timely display program running time, number of segments, remaining time, repeat frequency and can also display experimental data including preset temperature, measured temperature, total running time, run-time segment, remain segment time, heat status, calendar time and so on; Temperature and humidity are digitally displayed direct;
- Apply controllable silicon stepless adjust technology to adjust temperature and humidity continuously and precisely without over heated as the PID adjust function;
- Workroom is made by high quality stainless steel;
- Thermal insulation between outside and inside chamber is high-quality ultra-fine glass fiber insulation cotton, good and effective thermal insulation;
- Rectangle double-layer glass observation window prevents vapor from coagulating as there is a heater in it;

- Illuminated by brightness of PL fluorescence light;
- Humidified by saturated system and dehumidified by air condition;
- Freely adjust the height of specimen racks;
- French imports of industrial refrigeration compressor, low noise, low energy consumption and high efficiency;

#### Key Specification:

- Temperature range -70℃、-60℃、-40℃、-20℃~+100℃、+150℃, selectable
- Humidity range 30%~98%RH, can be customized
- Chamber capacity 100L, 150L, 200L, 250L, 500L, 800L, 1000L, selectable
- Temperature uniformity  $\leq 2^{\circ}\text{C}$
- Temperature fluctuation  $\leq 0.5^{\circ}\text{C}$
- Heating rate 2~3℃, can be customized
- Cooling rate 0.7~1℃, can be customized
- Humidity error +2%/-3%RH
- Test port hole  $\Phi 50\text{mm}$
- Range of timer 0~999hours
- Ambient environment required Normal temperature 25℃, ventilate well
- Thermal insulation material Ultra-fine glass fiber
- Internal material of chamber Stainless steel
- External material of chamber Double Paint Powder Coating
- Recycle system Single-cycle acentric blower with stainless steel fans
- Noise level <58db
- Power supply AC 380V/220V 50Hz

#### Standard configuration:

No.	Item	Quantity
1	Main machine	1 set
2	racks	2pcs

#### Optional Accessories:



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No.	Item
1	