

## Programmable Temperature Humidity Test Chamber



### Application:

Programmable temperature humidity test chamber is also called environment testing machine, used to test various types of materials for their tolerances of heat, cold, dry, humidity. It is applied for quality inspection for all types of electronic products, electric appliance, and products from communication, instrument, automobile, plastic, metal, food, chemical, building materials, medical and aerospace industries.

### Features:

1. Graceful appearance, circularly shaped body, surface treated with mist strips and plane handle with no reaction. Easy to operate, safe and reliable.
2. Rectangular double-glassed watching window for the observation of the test production during the testing process. The window is equipped with sweat-proof electrical heating device that can prevent water steam from condensing into droplets, and with high brightness PL fluorescent bulbs to provide light inside the box.
3. Double-layer-insulated airtight doors, able to insulate the internal temperature effectively.
4. Water supply system that is externally connectable, convenient for refilling water into the humidifying pot and automatically recyclable.
5. The French Tecumseh brand is used for the circulation system of the compressor, capable of removing the lubricant between the condensation pipes and capillaries. The environment-protecting coolant is used for the whole series (R232,R404)
6. Imported LCD display screen, capable of displaying the measured value as well as the set value and time.
7. The control unit has the functions of multiples segment program editing, and of quick or slope control of temperature and humidity.
8. Inserted mobile pulley, convenient for movement an relocation, with strong positioning screws.

**Technical Parameters:**

Model	TH-80(A~F)	TH-150(A~F)	TH-225(A~F)	TH-408(A~F)	TH-800(A~F)	TH-1000(A~F)
Internal Dimension WxHxD (mm)	400x500x400	500x600x500	600x750x500	600x850x800	1000x1000x800	1000x1000x1000
Internal Dimension WxHxD (mm)	950x1650x950	1050x1750x1050	1200x1900x1150	1200x1950x1350	1600x2000x1450	1600x2100x1450
Temperature Range	Low Temperature(A:25°C B:0°C C:-20°C D:-40°C E:-60°C F:-70°C) High Temperature 150°C					
Humidity Range	20%~98%R.H.(10%-98% R.H. / 5%-98% R.H ,is a special optional condition, need Dehumidifier)					
Analytic Accuracy/ Distribution uniformity of temperature and humidity	0.1°C; 0.1% R.H/±2.0°C; ±3.0% R.H.					
Control Accuracy of Temperature and Humidity	±0.5°C; ±2.5% R.H.					
Temperature Rising/Falling Speed Rate	Temperature rising approx. 0.1~3.0°C/min / temperature falling approx. 0.1~1.5°C/min; ( The Falling Speed Rate Min.1.5°C per minute is a special optional condition)					
Humidity control range	<div style="text-align: center;"> <p><b>温湿度控制能力范围 Humidity Control Range</b></p> <p>At +20°C Ambient temperature or +25°C Room temperature and non-loaded</p> </div>					
Inner and Outer Material	Material of the inner box is SUS 304# stainless steel, of the outer box is stainless steel or SEE cold-rolled steel with paint coated.					
Cooling System	Wind cooling or water cooling/single segment compressor(-40°C, double segment compressor -70°C)					
Protection Devices	Fuse-free switch, overloading protection switch for compressor, high and low voltage coolant protection switch, over-humidity and over-temperature protection switch, fuses, fault warning system, water short storage warning protection					
Compressor	French Tecumseh Brand,Germany Bizer Brand					

Power	AC220V 1ph 3 lines, 50/60HZ , AC380V 3ph 5 lines , 50/60HZ					
Approx. Weight (Kg)	150	180	250	320	400	450
Optional Accessories	Inner door with operation hole , Recorder, Water Purifier, Dehumidifier					