

## ASLI TH-150-D Environmental chamber



### **Application:**

Climatic chamber is 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.

e and humidity.

8. Inserted mobile pulley, convenient for movement and relocation, with strong positioning screws.

**Technical Parameters:**

Model	TH-150-D
Internal Dimension	W500xH600xD500(mm)
Internal Dimension	W1050xH1750xD1050(mm)
Temperature Range	Low Temperature: D:-40°C(Temperature according to customer's requirement) High temperature: 150°C
Humidity Range	20%~98% R.H.
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°Cper minute is a special optional condition)
Temperature humidity control chart	<p>The chart displays the standard control range of temperature and humidity. The y-axis represents Relative Humidity (%) from 10 to 100. The x-axis represents temperature in °C from 0 to 70. A blue shaded area indicates the 'Standard Control range of temperature humidity' (標準溫濕度控制範圍), which is bounded by 20°C to 65°C on the x-axis and 20% to 95% on the y-axis. A dark blue shaded area below the 20% humidity line is labeled 'Dehumidify device needed' (需加裝除濕裝置).</p>
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, Insulation material is resistant to high temperature, high density, formate chlorine, ethyl acetum foam insulation materials
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 c oolant protection switch, over-humidity and over- temperature protection switch, fuses, fault warning system, water short storage wa rning protection
Compressor	French Tecumseh Brand,Germany Bizer Brand
Power	AC220V 1ph 3 lines, 50/60HZ , AC380V 3ph 5 lines , 50/60HZ
Approx. Weight (Kg)	300
Optional Accessories	Inner door with operation hole , Recorder, Water Purifier, Dehumidifier