

# AtmoExplorer Temperature & Humidity Chamber

AtmoExplorer Temperature & Humidity Chamber is suitable for testing the heat resistance, cold resistance, dry resistance, moisture resistance and other properties of the material. It is suitable for the use of electronic, electrical appliances, mobile phones, communications, instruments, vehicles, plastic products, metals, food,



## Features:

**ChiuVention Climate Chamber Has A Wide Range Of Applications:** The test chambers can simulate the environment of high temperature, low temperature, high humidity, and low humidity. And this temperature humidity chamber is suitable for testing requirements in various fields and industries such as electronics, materials research, medicine, automobiles, food, etc.

**The Constant Temperature Humidity Chambers Operates Stably:** The heating element is made of spring-loaded Nichrome wire. Solenoid valve and other refrigeration auxiliary parts are used first-line brands. France imported "Taikang" full closed type high-efficiency compressor. Humidifier for stainless steel electric steam generator in the form of UL-type humidifier.

## Specification:

Temperature range: -20°C~+150°C  
Humidity range: 20-98%RH  
Temperature and humidity control accuracy:  $\pm 0.5^{\circ}\text{C}$ ;  $\pm 3\% \text{RH}$   
Temperature and humidity distribution uniformity:  $\pm 2^{\circ}\text{C}$ ;  $\pm 3\% \text{RH}$   
Heating time: temperature to 100°C within 30 minutes  
Cooling time: temperature down to -20°C within 60 minutes  
Testable area: 500\*750\*600mm (D\*W\*H)  
Various Sizes Can Be Customized: such as 80L, 150L, 225L, 408L, 800L, 1000L

**Safety Protection Device Of Constant Temperature And Humidity Chamber:** Anti-burn switch, no fuse switch protection. Short-term water shortage alarm and long-term water shortage shutdown protection. Compressor high pressure protection, compressor overheating protection, compressor overcurrent protection.

**Functional Structure Of The Climate Cabinet:** 7 inch large touch screen, easy to operate. Built-in LED window lighting, easy to observe the sample. Equipped with RS-232, USB interface, external computer copy data. With reservation startup and shutdown function, key and screen lock function. With power failure program memory, automatically start and continue to execute the program function after power restoration.

**Rapid Heating And Cooling Of The Environmental Test Chamber:** When unloaded, the AtmoExplorer can achieve heating from room temperature to 100°C within 30 minutes. It can also achieve cooling from room temperature to -20°C within 60 minutes.  
Power: 380V 50HZ 20A 3 $\phi$ 4 wire  
Weight: 295kg  
Dimension: 225L 1330\*940\*1670mm (D\*W\*H)

## ChiuVention INSTRUMENT LTD

As one of the climate chamber manufacturers, we are confident that we can solve various things for our customers. Please feel free to purchase our environmental test chamber or connect with us.

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