



RAKAPOSHI Temperature & Humidity Test Chamber



LCD Touch
Screen

Download
Catalogue



RAKAPOSHI Floor type temperature humidity test chambers to suit many types of environmental test conditions. To perform temperature & humidity test, cold resistance test, thermal cycle test, ultra low temperature test, high temperature test, storage condition, and calibration function. Standard and custom models to suit different test specimens. Temperature humidity test 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. Temperature and humidity testing help to determine the behaviour of the components in severe test conditions and environments that involve , high temperature, and different relative humidity. The tests can be done with constant temperature and humidity in a static state and can be done in a dynamic state where the moisture is used to induce a failure of the components or materials.



Temperature and Humidity Testing

Temperature range, 40°C-150°C and Humidity range 20% - 98% RH



LCD Color Touch Screen



Programming

100 programs and 100 segments



Communication Software

Ethernet connection, PC connection, Wi-Fi connection (option)



Small Size

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Please note

If this Test Chamber does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

Item Name	RAKAPOSHI4050	RAKAPOSHI4080
Chamber Volume Liter	50	80
Temperature range,	-40°C-150°C	
Temperature Fluctuation	± 0.5 °C	
Temperature Uniformity	± 2.0 °C	
Relative Humidity Range	20% - 98% RH	
Relative Humidity Uniformity	± 2.5% RH	
Cooling Rate (average)	1 °C / min	
Heating Rate (average)	3 °C / min	
Cooling system	Cooling compressor	
Refrigerant	R4449A	
Programming	100 programs and 100 segments	
Internal Chamber Dimension mm	320*350*450	400*400*500
Overall Dimension mm	800*1050*950	900*1100*1000
Display – Controller	LCD color touch screen, with setting and programming function	
Data communication	Ethernet connection, PC connection	
Humidifier	External isolation, stainless steel surface evaporation humidifier	
Dehumidification	Evaporator	
Water tank	Built-in	
Observation Window	Tempered glass window built-in In door 120x150mm	
Temperature Sensor	PTR Platinum Resistance (probe) PT100Ω/MV A-class, accuracy 0.001°C	
Humidity Sensor	Dry and wet probe	
Exterior Material	Steel Plate with protective coating	
Interior Material	SUS304 stainless steel	
Standard Configuration	1 Cable hole (Φ 50,) with plug; 2 shelves	
Heating Element	Ni-chrome heater	
Air Flow	Centrifugal Fan	
Environmental Conditional	5°C~+35 °C , humidity ≤85% RH	
Heating Insulation	Polyurethane foam, insulating cotton	
Insight into the interior	Interior lighting, Thermo stable insulation of silicone rubber	
Maximum Noise	≤65 dBA	
Protection	Protection of humidifiers from dry combustion due to lack of water, overheating protection, overvoltage protection devices, compressor overheating protection, refrigerant overheating protection, water lack protection, grounding,	
Power Supply	Single phase, AC 220V ±10%-50/60HzHz	
Weight kg NV/GW		
Chamber stand included	H-100cm (appropriate to the base of the chamber), with caster on all four legs	
Calibration	Our professional technical service provide calibration certificate	