

Programmable Three Zones Thermal Shock Test Chamber

Programmable Three Zones Thermal Shock Test Chamber give the maximum durability and performance for your most demanding test requirements. It is the necessary test equipment for aviation, Aerospace, automotive, electronics, military and solar panel industry etc. It can be used to test and determine the parameters and performance of electrical, electronic products and materials in the most extreme temperature and humidity conditions.



Feature

- Programmable Touch Screen Controller
- Custom Sizes Available
- Running Time Meter
- Capable of Handling Extreme Temperature
- High Performance Even Under Load
- Incandescent Interior Lighting
- Modular, Robust Reliable Construction
- Stainless Steel Interior
- Painted Galvanized Steel Exterior For Long Life
- Heavy-duty Flooring to Support Vehicles
- Mechanical Cooling
- Comprehensive Safety Features
- Refrigeration Gauges
- Refrigeration Sound Deadening Package
- All Circuits Fused or Circuit Breaker Protected.
- All Wiring Numbered or Color Coded
- Compressor Overload Protection

- Prefabricated for On-Site Installation

Test Standards

This test equipment conforms to following test standards (but not limited to):

- IEC60068-2-1
- IEC60068-2-2
- IEC60068-2-78
- IEC60068-2-30

Specification

Sizes of Temperature Humidity Chambers					
Model	Volume (L)	Temperature Shock Range(°C)	Rated Power	Internal Dimension (mm) D*W*H	External Dimension (mm) D*W*H
OEHS-101B-LW	101	A:-40°C~150°C B:-55°C~150°C C:-65°C~150°C	17.0kw	450*500*450	1600*1480*2000
OEHS-150B-LW	150		22.0kw	500*600*500	1650*1580*2100
OEHS-234B-LW	234		30.0kw	750*600*500	2200*1580*2200
OEHS-512B-LW	512		50.0kw	1000*900*550	2650*2050*2250
OEHS-753B-LW	753		75.0kw	1300*1050*550	3100*2200*2250
OEHS-1000B-LW	1000		100.0kw	1390*1200*600	3400*2400*2300
<p>Note: In the Model, the number means volume of test chamber's working room, and ABCD means the temperature range.</p> <p>For example, model LRHS-101A-LW means the volume of this test chamber is 101L, and its temperature shock range is -40°C~+150°C. LRHS-234C-LW means the volume is 234L and the temperature shock range is -65°C~+150°C</p>					
Basic Specification					
Performance	Temperature Shock Range	A:-40°C~150°C B:-55°C~150°C C:-65°C~150°C			

	Temperature Fluctuation	±1°C
	Ramp Rate	Heating: RT~150°C ≤25min Cooling: RT~ -55°C ≤45min Note: can be customized as per requirement
	Temperature Recovery Time	≤5min
	Temperature Change Time	≤15s
Material	External Casing	Cold-rolled A3 (Q235) steel plates with plastics painted.
	Interior Working Room	Stainless Steel Plates SUS304 with mirror surface
	Heat Isolation	Polyurethane foams and fine glass fibers
	Illumination Lamp	Philips® one in per standard test chamber.
	Casters	4pcs, with PU covered for protection. Height adjustable and direction universal.
	Door	Manually operated sliding door with unlock button
Heating & Cooling System	Heater	Stepped Nickel-chromium Wire Heater
	Air Blower	Anti-temperature stainless fan blades with low noise
	Compressor	Hermetically-sealed Techmesh® or semi-sealed Bitzer® or GEA® or equivalent compressors
	Cooling Method	Single or dual cooling (Air-cooled or Water-cooled)

	Refrigerant	R404A or/and R23 (eco-friendly)
	Condenser	Plate-type heat exchanger
Control System	Controller	7" Programmable colorful touch-screen display LCD English Display Micro Computer integrated controller
	Functions	Data Record (Max 600 days x 24hrs), History Curve, USB data download & upload, Remote controlling through PC, Automatic protection alarms, etc.
	Program	1~1000 programs, 1~999 steps for per program, Max 99hrs 59mins for per program. 10 programs can be interlinked.
	Temperature Sensor	Platinum Resistance.PT100Ω
	Running Model	Constant/Fix-value Model and Programmable Model
	I/O Interface	Communicate port (RS485) to connect test chamber to a PC
	Standard Configuration	Test Chamber x 1, Specimen Holder Shelf x 2, φ100mm Cable Access Port x 1 with 1 soft plug, EMO x 1, Tri-color Indicator x 1, etc.
Safety Protection	Power leakage protection/Compressor over-heat, over-load or over-current protection/Dry burning protection.	
Voltage	380V/440V±10%, 50Hz/60Hz or as per requirement	
Ambient Environmental for application	5°C~+30°C ≤ 85%R.H	
Test Standards (not limited to)	IEC60068-2-1 IEC60068-2-2 IEC60068-2-78 IEC60068-2-30	