

ASLI Thermal Shock Test chamber



Application:

Temperature shock tester is used to test the capability of material structure or composite materials to withstand the continuous environmental changes between extremely high temperature and low temperature during a short period, and therefore understand the chemical changes or physical damages caused by expansion from heat and contraction from cold in the shortest possible time. It is applicable to metals, plastic, rubber, electronics amongst other materials. The test result can be used as a reference or basis for product improvement.

Features:

1. Temperature shock test chamber is divided into three boxes: high temperature, low temperature, and the testing area, testing products placed on the testing area; when testing, the valve, which drove by cylinder, lead the high temperature or low temperatures into the testing area. The test sample is in static mode.
2. Using touch-control graph control as operation interface, easy to operate.
3. Applying wind route conversation to the shock method to distribute temperature to the testing zone for cold and thermal shock measurement.
4. For high temperature shock or low temperature shock, maximum time is up to 999H, and maximum circulation cycles are 9999 times.
5. The system can be used for automatic Circulation Shock or manual selective shock.
6. Adopt binary cooling system, with quick cooling effect. Cooling method is water cooling.
7. Can entering normal temperature. R232 and R485 communication interface.

Technical Parameters:

Model	TS-49(A~C)	TS-80(A~C)	TS-150(A~C)	TS-252(A~C)	TS-450(A~C)	TS-900(A~S)
Internal Dimension WxHxD (mm)	400x350x350	500x400x400	600x500x500	700x600x600	800x750x750	1000x900x900
External Dimension WxHxD (mm)	1400x1800x1400	1550x1950x1550	1600x2000x1600	1700x2100x1700	1800x2200x1900	2100x2400x2200

	Type A:- 40 degree~+150degree (200degree is Optional)	Type B:- 55degree ~+150degree (200degree is Optional)	Type C:- 65degree ~+150degree(200degree is Optional)		
Temperature Range of Testing zone	High temperature Range of Testing zone: +60degree~+150degree(200degree is Optional); Low Temperature Range of Testing Zone: -10degree~-40degree/-55degree/-65degree				
Exposure Time of High/Low Temperature	Exposure Time of High Temperature:+60degree~+150degree(200degree is Optional) 30Mins Exposure Time of Low Temperature:-10degree~Type B:-40degree/ Type B - 55degree/ Type C -65degree 30Mins				
Temperature of Heat-Storing Slot/ Heating Time	RT~200degree/About 45mins				
Temperature of Cool-storing Slot/ Cooling Time	RT~-75degree/ About 100mins				
Temperature Recovery Time/ Conversion Time	≤5min/≤5sec				
Precision temperature Control / Distribution Accuracy	±0.5degree/±2degree				
Internal and External 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	High temperature resistant, high density, formate chlorine, ethyl acetum foam insulation materials				
Mechanics	P.I.D+S.S.R+ Micro-computer balanced temperature control system				
Cooling System	Semi-hermetic double-stage compressor(water-cooled type) /Hermetic double-stage compressor (air-cooled type)				
Security Protection Devices	Non-fuse breaker, high and low pressure protective switch of the compressor ,refrigerator high-pressure protective switch, failure warning system, electronic alarm				
Accessories	viewing window(special order)				
Compressor	French "Tecumseh" Brand, Germany Bizer Brand				
Power	AC220V 1φ 3 lines,50/60HZ, AC380V 3φ 5 lines,50/60HZ				
Weight (Approx) (KG)	450	600	750	900	1300