

Thermal Shock Tester

2 zone, 3 zone



- Reliability test equipment efficient for accelerated-environment testing the materials and components like semiconductors, electronic parts, etc. for thermal shock fatigue by rapidly repeating extreme low and high temperatures for a short period of time.
- 2-zone or 3-zone type by sample characteristics and structures
- 3 Zone - Short period of time for temperature changes and processing by preheating and precooling with 3-zone damper system of opening and closing
- Safety devices available for installation, such as the emergency stop button, overheating and overcooling protectors, circuit breakers for overload and overcurrent, etc.
- Spray system is installed for liquid nitrogen or liquified carbon dioxide gas to reduce recovery time during low temperature exposure test. (Option)
- Interface provided for easy access: USB, RS-232C/485/422 and software for data exchange and save in external device.(Option)

DS-546TS-2



Option Accessories

Digital recorder



2 Channel recorder



PC connect Kit



Controller



		DS - 546TS-2	DS - 546TS-3
Type		Two zone	Three zone
Controller		Programmable microprocessor multi-functional P.I.D controller with 5.7" TFT-LCD color monitor touch screen(120 seasonal cycles, 1200 step, 999Cycle)	
Temperature	Test chamber	-40°C to 150°C	
	High chamber	Ambient +5°C to 200°C	
	Low chamber	-65°C to -20°C	
Heater		3KW x 2set	5KW x 2set
Compressor		3HP x 2set	5HP x 2set
Dimensions (WxDxH)mm	In	400 x 400 x 400	500 x 400 x 400
	Out	1250 x 2200 x 1980	1550 x 1850 x 1980
Capacity(Liter)		64	80
Material (In/Out)		Stainless steel (SUS 304) / Steel plate with powder coating(SCP-1)	
Door		Silicon packing door	
Safety device		Leakage breaker, Circuit breaker, Over heat protector, Refrigerator high & low pressure S/W, Over current relay, Emergency shut off S/W	
Power		AC220V, 60Hz, 9Kw	AC220V, 60Hz, 15Kw

Option Accessories

Communication	RS-232 or RS-485 interface & communication PC software program, USB converter
Data acquisition	Chart type 2 channel, Digital type 2channel, USB memory storage device
Others	LN ₂ or LCO ₂ Cooling device or Water cooling device, Air compressor 0.8 Mpa 0.7KW, Observation window, Mobile alert system