



Thermal Shock Chamber



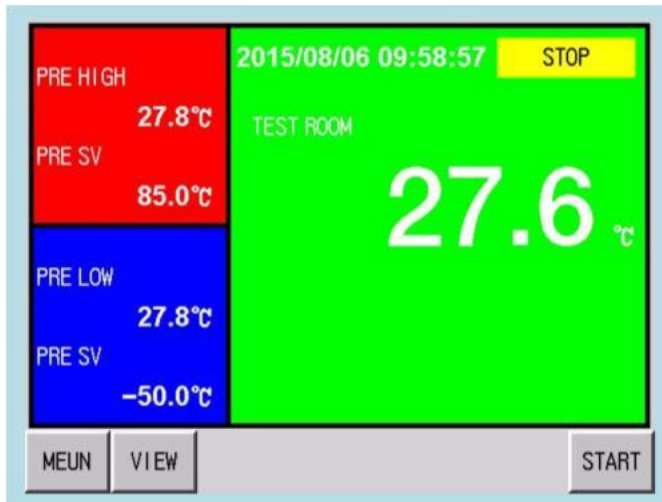
Haida International Equipment

Two-zone thermal shock chamber ideally suited for

– **Environment Test System**

Contro

Don't guess before you test



Color LCD interactive touch-screen system

Operation and settings simplified by the use of a touch-screen LCD display (instructions displayed on-screen). At-a-glance confirmation of test patterns, test area temperatures, temperature cycles, and trend graph displays.

Setting	Interactive key input by touch panel
Display	LCD (5.7 inches)
Temperature control function	Test area: exposure temp. Hot chamber: pre-heating temp. Cold chamber: pre-cooling temp. PID control
Preset temperature range	High temperature: 60 to 200°C Low temperature: -78 to 0°C
Setting resolution	1°C
Input	Thermocouple type T (Copper/Copper-Nickel)
Setting and indication ranges	Preset time: 0 min. to 99 hours and 59 min. Preset cycle: 1 to 9,999 cycles
Accessory function	Timer preset Overheat/ overcool protection Power failure/ recovery selection Temperature recovery time setting Program memory Automatic power shut-off Programmed time display Test completion mode selection Trend graph Alarm history display Sensor calibration RS-232 communication

Specifications:

System		Two-zone chamber		
		Three-zone chamber		
Item		HD-E703-50	HD-E703-100	Customized
Test area	High temp. exposure range	+60~+200°C		
	Low temp. exposure range	-78~0°C		
	Temp. fluctuation	±2°C		
Hot chamber	Pre-heat upper limit	+200°C		
	Temp. heat up time	Ambient temp. to +200°C within 30min		
Cold chamber	Pre-cool lower limit	-78°C		
	Temp. pull down time	Ambient temp. to -78°C within 70min		
	Temp. recovery time	Within 5min		
External material		Cold-rolled rust-proofed steel plate		
Test area material		SUS304 stainless steel		
Heater		Nichrome strip wire heater		
Refrigeration unit	System	Mechanical cascade refrigeration system		
	Refrigerator	German Bock compressor		
	Expansion mechanism	Electronic expansion valve		
	Refrigerant	R404A, R23		
Cooler		Stainless steel welded plate heat exchanger		
Air circulator		Sirocco fan		
Fittings		Cable port with diameter 100mm on the left side (right side available as option), specimen power supply control terminal		
Inside dimensions	350Wx400Dx350Hmm	500Wx450Dx450Hmm	Customized	
Test area capacity	50L	100L	Customized	
Test area load	5kg	5kg	Customized	
Outside dimensions	1230Wx1830Dx1270H mm	1380Wx1980Dx1370H mm	Customized	
Weight	800kg	1200kg	Customized	
	Allowable ambient conditions	+5~35°C		
	Power supply	AC220V, 50/60Hz, single phase		
	Cooling water supply pressure	0.2~0.4Mpa		

How to Contact Us?

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