

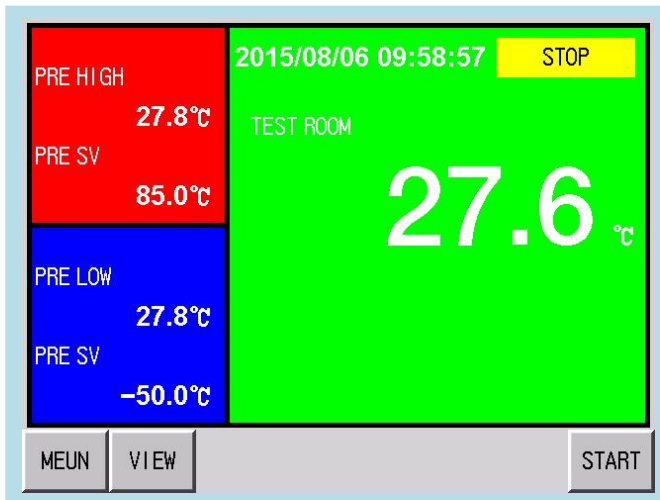
Thermal Shock Chamber



Haida International Equipment

– Environment Test System

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
Performance	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		
Construction	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
Utility requirement	Allowable ambient conditions		+5~35°C	
	Power supply		AC220V, 50/60Hz, single phase	
	Cooling water supply pressure		02~0.4Mpa	

How to Contact Us?

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