



Thermal Cycle Chamber



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DS-ST



Product Overview

Suitable for electrical and electronic products, including complete machines and components, for cold resistance testing. Adaptability testing under conditions of rapid or gradual temperature changes. Particularly suitable for Environmental Stress Screening (ESS) testing of electrical and electronic products.

Product Features

Reasonable structure, variable speed control, fast cooling. Imported refrigeration units, ensuring operational reliability.

Touch screen controller, easy to operate and maintain, with overload protection for the fan, compressor delay, and other protective functions.

Can set the number of cycles and defrost times, automatic (manual) defrosting. Each product is customized according to customer requirements, ensuring high efficiency and energy saving. On-site debugging and acceptance are provided to guarantee user performance.

Model	225U-DS-C5/C10/C15	370U-DS-C5/C10/C15	504U-DS-C5/C10/C15	720U-DS-C5/C10/C15	1000S-C5/C10/C15
Temperature range	-70°C to +180°C				
Temperature fluctuation	±0.5°C				
Temperature uniformity	≤2.0°C				
Temperature deviation	≤±2.0°C				
Interior size (mm) (WxHxD)	700x700x480	800x900x510	800x900x700	900x1000x800	1000x1000x1000
Exterior (mm) (WxHxD)	900x1773x1910	1000x1973x1940	1000x1973x2070	1100x2073x2250	1200x2103x2300
Floor space (m ²)	1.7	1.9	2.1	2.5	2.8
Heating rate	<p>Linear</p> <p>C5: -40°C to +85°C, Linear 5°C/min (No specified)</p> <p>C10: -40°C to +85°C, Linear 10°C/min (No specified)</p> <p>C15: -40°C to +85°C, Linear 15°C/min (No specified)</p>	<p>Nonlinear</p> <p>C5: -40°C to +85°C, Average 5°C/min (No specified)</p> <p>C10: -40°C to +85°C, Average 10°C/min (Not specified)</p> <p>C15: -40°C to +85°C, Average 15°C/min (Not specified)</p>			
Cooling rate	<p>Linear</p> <p>C5: +85°C to -40°C, Linear 5°C/min (No specified)</p> <p>C10: +85°C to -40°C, Linear 10°C/min (No specified)</p> <p>C15: +85°C to -40°C, Linear 15°C/min (No specified)</p>	<p>Nonlinear</p> <p>C5: +85°C to -40°C, Average 5°C/min (No specified)</p> <p>C10: +85°C to -40°C, Average 10°C/min (No specified)</p> <p>C15: +85°C to -40°C, Average 15°C/min (No specified)</p>			
Insulation Material	SUS304 stainless steel plate, fully welded inner tank				
External Material	High-quality cold-rolled steel plate, surface electrostatic powder coating				
Insulation Material	Rigid polyurethane foam insulation layer, flame retardant grade B2				
Refrigeration System	Air-cooled and water-cooled options available				
	Semi-hermetic compressor				
Heater	High-quality nickel-chromium alloy heater				
Blower	Centrifugal fan				
Door Observation Window	Heated film hollow glass				
Controller	7-inch color touch screen intelligent controller				
	Operating System: Cold Output Version				
Protection Devices	Over-temperature protection, compressor overpressure, circuit breaker, overload protection, fan overload protection, oil pressure protection, water shortage protection, leakage protection.				
Standard Accessories	Observation window, cable hole (50mm, located on the left side), baffle baffle frame (2 sets), internal light				
Optional Accessories	RS-232C, recorder, special test holes, special sample racks, additional baffles				
Power Supply	AC380 ±10% 50Hz Three-phase four-wire + ground				