



## High and Low Temperature Test Chamber



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**Darsun**Scientific



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# High and Low Temperature Test Chamber

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## Product Overview

Applicable to electrical, electronic, mechanical and other products, parts, materials, etc. for quality management and reliability testing under high and low temperature (or temperature cycle) simulated temperature change conditions.

## Product Features

The equipment temperature range is  $-70^{\circ}\text{C}$  to  $+180^{\circ}\text{C}$ , and the temperature control accuracy is  $\leq 0.5^{\circ}\text{C}$ ;

The industry takes the lead in applying fluid simulation design technology and product process manufacturing technology (the product is more energy-efficient); It can be connected to form a laboratory measurement and control network through the local area network (LAN) RS232/485 to achieve remote monitoring, which is convenient for users to integrate the system and automate monitoring.



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Model	36-N/L	64-N/L/U	150-N/L/U	225-N/L/U	408-N/L/U	1000-N/L/U
Temperature range	N: -20°C to +180°C L: -40°C to +180°C U: -70°C to +180°C					
Temperature fluctuation	±0.5°C					
Temperature uniformity	≤2.0°C					
Interior size (mm) (WxHxD)	300x400x300	400x400x400	600x600x460	700x700x480	700X750X800	1000X1000X1000
Exterior size (mm) (WxHxD)	510x885x1125	700x1652x1170	800x1715x1230	900x1660x1470	900X1710X1719	1200X1925X1747
Floor space (m2)	0.52	0.82	0.98	1.3	1.6	2.07
Heating rate	N : -20°C to +100°C, Average 3°C/min (No specified) L : -40°C to +100°C, Average 3°C/min (No specified) U : -70°C to +100°C, Average 3°C/min (No specified)					
Cooling rate	N : +20°C to -20°C , Average 1°C/min (No specified) L : +20°C to -40°C , Average 1°C/min (No specified) S : +20°C to -70°C , Average 1°C/min (No specified)					
Inner chamber material	SUS304 stainless steel plate, the inner tank is fully welded					
Outer chamber 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 for option					
Controller	7-inch color touch screen intelligent controller *Operating system: cold output version					
Protection devices	Over-temperature protection, Compressor overload and overheating, High-voltage protection, Motor over-current protection, Over-temperature protection relay, Fan overload protection, Fuse, Dry-burning protector, Water shortage protector, Alarm action					
Standard accessories	1 window light, 4 mobile casters (with foot cups), 2 units of 50mm cable ports (with silicone plugs), 2 layers of sample racks, 1 set of lighting, 5 meters of power cord					
Operating ambient temperature	+5°C to +35°C					
Equipment power	3.5kg	5 kg	5 kg	6 kg	6 KG	10 KG
Power supply	AC 380V ±10% 50Hz three-phase four-wire + ground wire / single-phase AC 220V ±10% 50Hz (optional)					