

High and Low Temperature Test Chamber-KMT

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°C to +180°C, and the temperature control accuracy is ≤0.5°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.

Meet the test method (standard)

- GB/T 2423.1-2008(IEC68-2-1)
- GB/T 2423.2-2008(IEC68-2-2)
- GJB 360.8-2009(MIL-STD.202F)
- GJB1 50.3-2009(MIL-STD-810D)
- GJB1 50.4-2009(MIL-STD-810D)



Technical parameter							
Model		KMT					
		36R/L	64R/L/S	150R/L/S	225R/L/S	408R/L/S	1000R/L/S
Interior size (mm)	W	300	400	600	700	700	1000
	H	400	400	600	700	750	1000
	D	300	400	460	480	800	1000
Exterior size(mm)	W	510	700	800	900	900	1200
	H	885	1652	1715	1660	1710	1925
	D	1125	1170	1230	1470	1790	1747
Floor space(m2)		0.52	0.82	0.98	1.3	1.6	2.07
Temperature range		R : -20°C to +180°C L : -40°C to +180°C S : -70°C to +180°C					
Temperature fluctuation		±0.5°C					
Temperature uniformity		≤2.0°C					
Heating rate		R : -20°C to +100°C, Average 3°C/min (No specified) L : -40°C to +100°C, Average 3°C/min (No specified) S : -70°C to +100°C, Average 3°C/min (No specified)					
Cooling rate		R : +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		KOME G 7-inch color touch screen intelligent controller *Operating system: KOME G KM-5166 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		3.5KW	5KW	5KW	6KW	6KW	10KW
Power supply		AC 380V ±10% 50Hz three-phase four-wire + ground wire / single-phase AC 220V ±10% 50Hz (optional)					

*Note: Each parameter, size and appearance are tailored according to customer requirements.
We reserve the right to modify technical parameters.