



Temperature Test Chamber

温度试验箱 TGDJ Series



Product Introduction

Temperature Chamber dedicates to test products performance by simulating extreme temperature cycling condition, it is able to evaluate whether the products meet specified standard and also provides a good reference in R&D stage, it is widely applied on Electronics, Telecommunication, Automobile, Packaging, Aerospace industries.

Technical Parameters

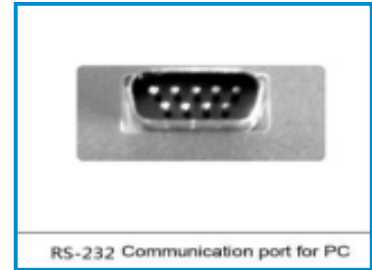
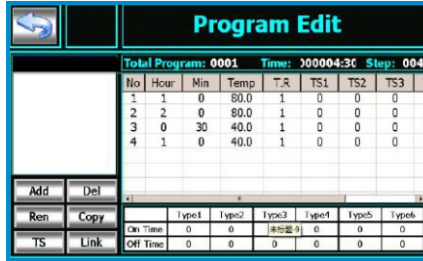
Model	TGDJ-50	TGDJ-100	TGDJ-150	TGDJ-250	TGDJ-500	TGDJ-800	TGDJ-1000
Interior Dimension W*D*H(mm)	350×320×450	500×400×500	500×500×600	600×500×810	800×700×900	1000×800×1000	1000×1000×1000
Exterior Dimension W*D*H(mm)	950×950×1400	1050×1030×1750	1050×1100×1850	1120×1100×2010	1350×1300×2200	1560×1410×2240	1560×1610×2240
Temperature Range	Model A : -20°C~+150°C Model B: -40°C~+150°C Model C: -70°C~+150°C						
Temperature Fluctuation	≤±0.5°C						
Temperature Uniformity	≤2°C						
Heating Rate	2~3°C/min						
Cooling Rate	0.7~1°C/min						
Interior Material	Anti-corrosion SUS#304 mirror stainless steel						
Exterior Material	Reinforced Steel plate with electrostatic spraying						
Insulation	Superfine fiberglass wool / polyurethane foam						
Programmable Controller	7" Japan original imported UNIQUE(UMC) touch screen controller						
Circulation System	Low-noise, high temperature resistant motors, single cycle, long axis and stainless steel multi-leaf type centrifuge fan						
Heating System	NiCr heater, independent system						
Refrigeration System	France "TECUMSEH" Hermetic Refrigeration Compressors ,Unit cooling mode / Dual cooling mode (air-cooled), Refrigerant R404A/R23						
Protection Devices	Leakage and outage protection, compressor over-pressure, overheat, over-current protection, overload fusing protection, audio, signal alarm						
Power Supply	AC220V/380V±10%, 50Hz/60Hz						

·Permissible environmental condition: temperature (18 to 30°C) and relative humidity > 85% RH.

·All data are under ambient temperature 20°C, unload.

Controller

7" Japan UNIQUE UMC programmable controller
 Resolution: temperature: $\pm 0.1\text{ }^{\circ}\text{C}$; humidity: $\pm 1\%\text{RH}$
 Program: 99 programs, 999 sections, 999 steps
 RS232 communication port



Refrigeration

Original France imported "Tecumseh" compressor
 Single compressor for -20°C , Double compressors (cascade) for -40°C and -70°C



Details

