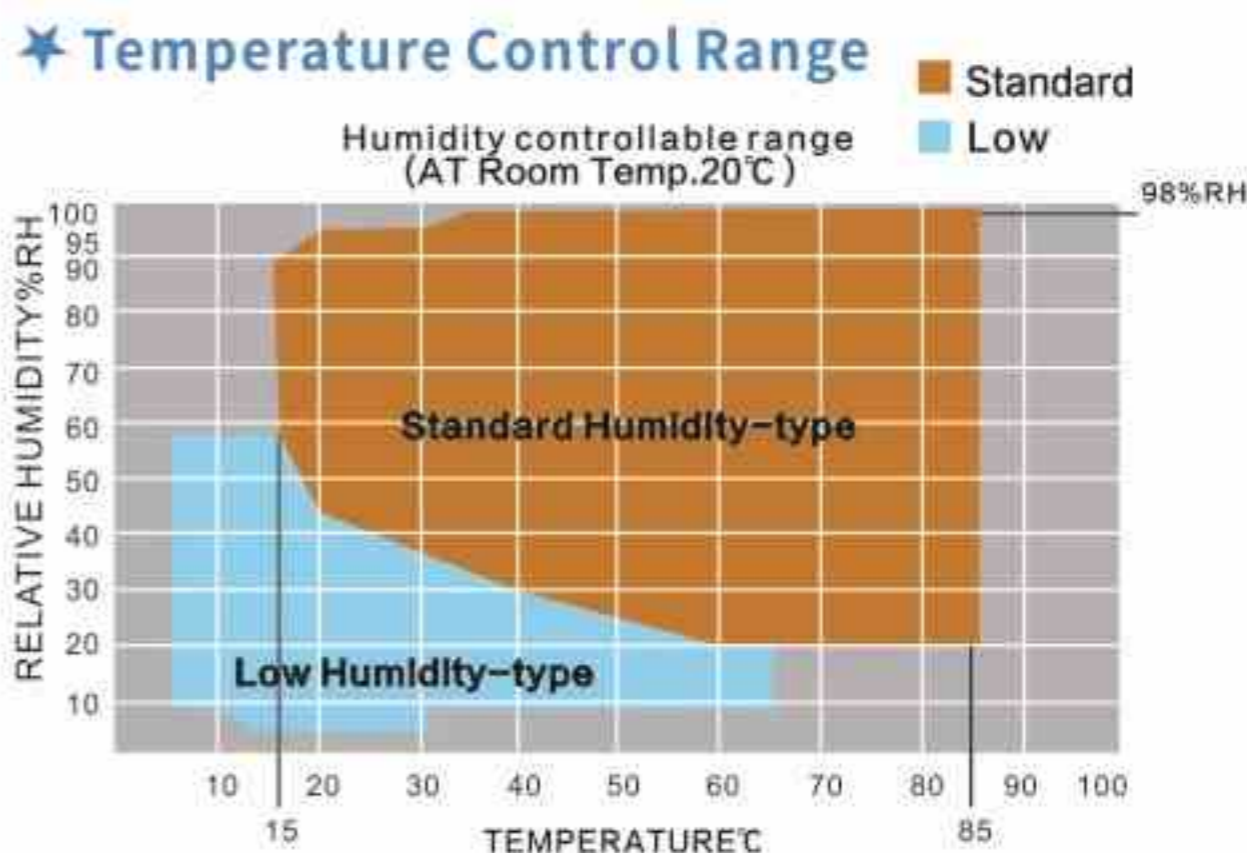




Temperature Humidity Test Chamber

温湿度试验箱 TGDJS Series



Product Introduction

Temperature Humidity Chamber aims to test products performance by simulating high low temperature and humidity environment condition, it analyzes whether the products meet required standard and provides a good reference in R&D stage, it's widely applied on Electronics, Aerospace Telecommunication, Automobile, Packaging Industries.

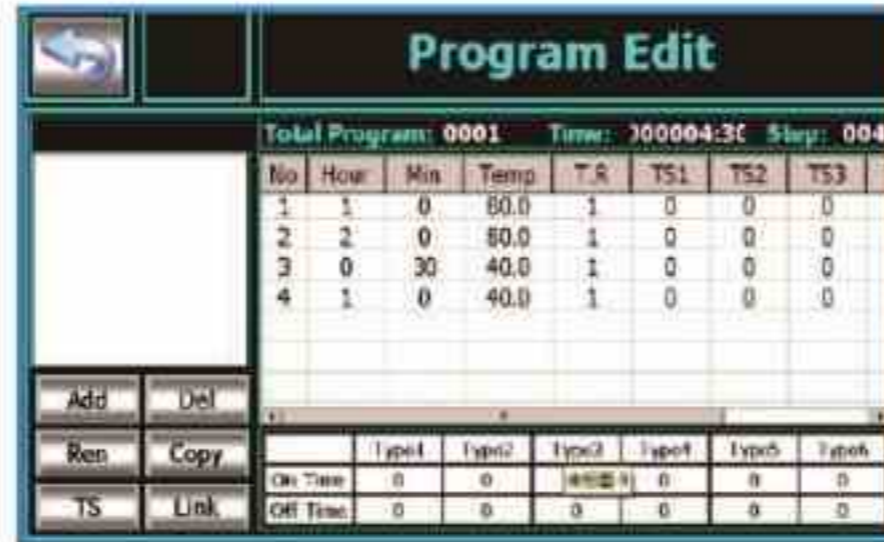
Technical Parameters

Model	TGDJS-50	TGDJS-100	TGDJS-150	TGDJS-250	TGDJS-500	TGDJS-800	TGDJS-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						
Humidity Range	20% ~ 98% R.H.(10%RH is available) Humidity Bias: +2/-3% R.H						
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						
Controller	7" Japan original imported UNIQUE(UMC) touch screen controller						
Circulation System	High temperature resistant motors, single cycle, long axis and stainless steel multi-leaf type centrifuge fan.						
Humidification	Shallow slot humidification, steam humidification mode, automatic water supply with shortage alarm						
Dehumidification	Refrigeration dehumidification mode						
Heating System	NiCr heater, independent system						
Refrigeration System	France "TECUMSEH" Hermetic Refrigeration Compressors, Unit cooling mode / Dual cooling mode (air-cooled), Refrigerant R404A/R23						
Security Devices	Leakage and outage protection, compressor over-pressure, overheat, over-current protection, overload fusing protection, audio signal alarm, water shortage 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.

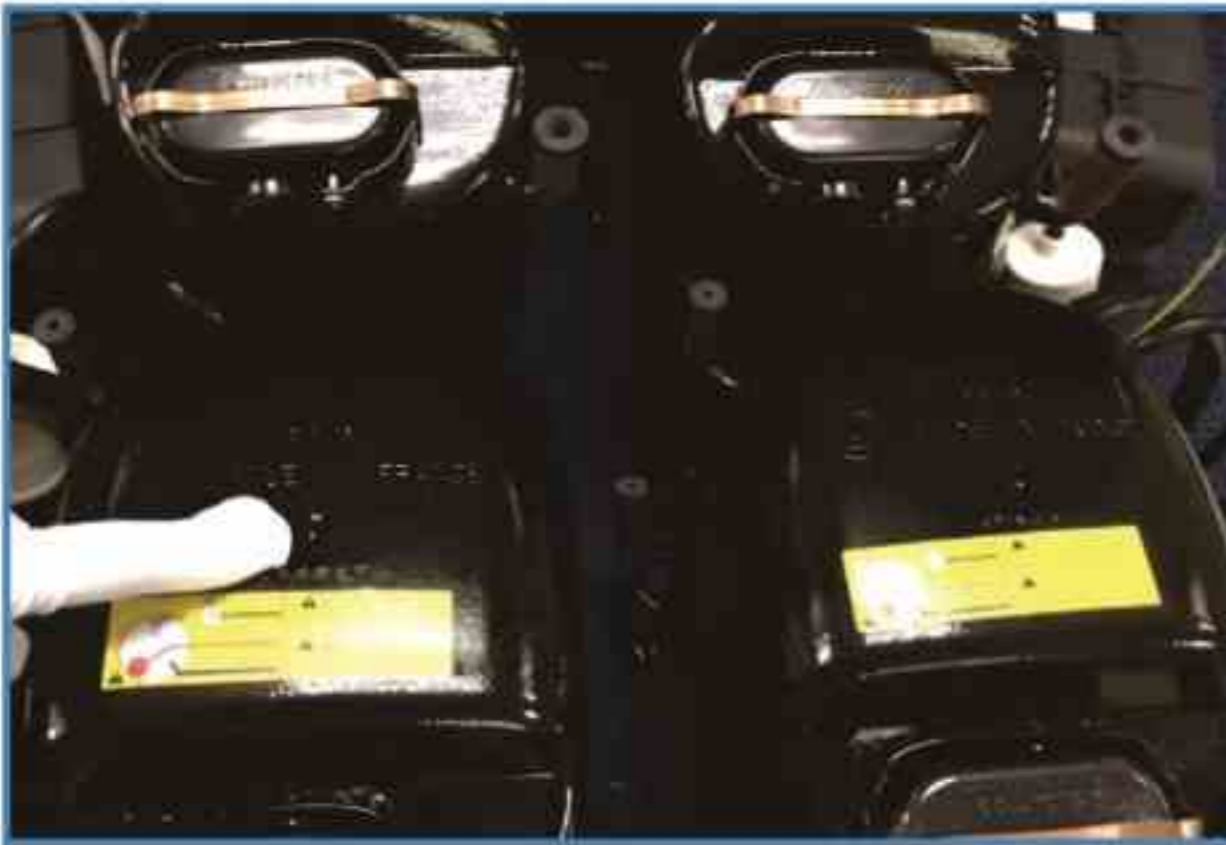
Controller

7" Japan UNIQUE UMC programmable controller
 Resolution: temperature: $\pm 0.1^\circ\text{C}$; 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

