

## High & Low Temperature And Humidity Chamber (JS/GD Series)

Labonce-JS series high and low temperature alternating humidity and heat test chamber is used for adaptability testing of electrical and electronic products, as well as their original components, and other materials during storage, transportation, and use in high temperature, low temperature, and humidity and heat environments. Conduct environmental simulation tests on the physical and other related characteristics of the product under low temperature, high temperature, and high humidity conditions. After testing, determine whether the product's performance still meets the predetermined requirements through testing, for use in product design, improvement, identification, and factory inspection.

- ◆ Reference standard: GB/T 10592-2008 Technical Conditions for High and Low Temperature Test Chambers;
- ◆ Air-way System: The newly air-way system designed achieves uniform of temperature form different parts inside the chamber;
- ◆ Chamber Materials: External high quality steel plate sprayed, The liner is made of stainless steel 304;
- ◆ Refrigeration system: The original imported fully enclosed industrial compressor, high efficiency, low noise, ensure the long-term continuous operation of equipment;
- ◆ Control system: programmable chromatic touch screen controller, With multi - segment program and constant value function;
- ◆ Data management : Electronic data storage function, support to use U disk to export the data;
- ◆ Safety Device: Compressor overheat protection and overload protection; Fan overheat protection; Temperature upper and lower limit deviation alarm; Independent overtemperature protection alarm system;
- ◆ Controlling Temperature Precision: Temperature Fluctuation <  $\pm 0.5^{\circ}\text{C}$ ; Temperature Deviation <  $\pm 2.0^{\circ}\text{C}$  ;
- ◆ Controlling Humidity Precision: Humidity Deviation <  $\pm 3\% \text{RH}$  (Humidity Control > 75%RH); Humidity Deviation <  $\pm 5\% \text{RH}$  (Humidity Control  $\leq 75\% \text{RH}$ );
- ◆ Temperature Control Rate: Rising Rate 1 ~  $3^{\circ}\text{C} / \text{min}$ ; Falling Rate 0.7 ~  $1^{\circ}\text{C} / \text{min}$ .



◆ 100GD



◆ 1000JS

Name	Model	Temperature Range (°C)	Humidity Range (RH)	Capacity (L)	Interior Dimensions(mm) W×D×H	External Dimensions(mm) W×D×H	Shelf (Standard)
High & low temperature and humidity chamber	Labonce-100JS	A: -20~150°C B: -40~150°C C: -60~150°C	20 ~ 98%	100	450×450×500	680×1040×1570	2
	Labonce-250JS		20 ~ 98%	250	600×600×700	1100×1100×1900	2
	Labonce-500JS		20 ~ 98%	500	800×700×900	1280×1180×2000	3
	Labonce-1000JS		20 ~ 98%	1000	1000×1000×1000	1500×1500×2200	4
High & low temperature and humidity chamber	Labonce-100GD	A: -20~150°C B: -40~150°C C: -60~150°C	N/A	100	450×450×500	680×1040×1570	2
	Labonce-250GD		N/A	250	600×600×700	1100×1100×1900	2
	Labonce-500GD		N/A	500	800×700×900	1280×1180×2000	3
	Labonce-1000GD		N/A	1000	1000×1000×1000	1500×1500×2200	4

All indicators on this color page were measured at an ambient temperature of 20~25°C.