



Introduction

Name: ZL-6012A Two boxes air-cooled hot and cold impact testing machine



Tel : [+86-769-8928 0588](tel:+86-769-8928 0588)

Fax : [+86-769-8928 0988](tel:+86-769-8928 0988)

Website : www.zltester.com

E-mail: Zhongli@zltester.com

Address: [No.62, Xinxu Management of Area, Wanjiang District, Dongguan city, Guangdong province ,China](#)



Equipment summary:

Hot and cold impact testing machines used to test the change of material under extremely high temperature and extremely low temperature environment that continue alternation in the shortest time, Testing the chemical changes or physical damage of material caused by the thermal expansion and contraction. Testing box divided two parts, one is high-temperature region, another is low-temperature region, the testing sample placed on the moving basket, using unique heat storage and cool storage, the cylinder taking basket moves up and down in the hot and cold region to complete the hot and cold temperature impact testing; applied to test the material, including metal, plastic, rubber, electronics and other materials, it can be used as a basis for improvement of their products.

Main functions:

For electrical and electronic components, automation components, communication components, auto parts, metals, chemical materials and plastics industries, defense, aerospace, military industry, BGA, PCB base plate, electronic chip, IC, semiconductor ceramic and high-Changes in the physical sacrifice of molecular materials, test the material on the high and low tension and products arrived repeated thermal expansion and contraction of output in the chemical changes or physical injury, to confirm the quality of products, from the precision of the IC component to heavy machinery , And both need it the ideal test tool.

Main features:

1. Large color LCD touch interactive microcomputer control system, easy to understand, running at a glance;
2. Closed imported compressor + environmental refrigerant, cold plate heat exchanger and dual-type ultra-low temperature refrigeration systems;
3. A LAN network communication interfaces to computer remote control, easy to use;
4. Independently set the heat, cold and hot and cold conditions, the impact of three different function, the impact of the implementation of hot and cold conditions, with high and low temperature testing machine functions;
5. Operation at boot time automatically make an appointment ahead of pre-cooling, preheating, standby;
6. Defrost cycles can be set and the number of automatic (manual) defrost;
7. Controller friendly interface and easy procedure setting, abnormal and troubleshooting display complete.

Corresponding standard:

- 1、GB/T2423.1-1989 low-temperature testing method
- 2、GB/T2423.2-1989 high-temperature testing method
- 3、GB/T2423.22-1989 change temperature test
- 4、GJB150.5-86 temperature impact test
- 5、GJB360.7-87 temperature impact test
- 6、GJB367.2-87 405 temperature impact test

Applicable industries:

Widely used in aviation, military, ships, electrical, electronics, instruments and meters; medical equipment; civilian nuclear energy; colleges and universities; research laboratories; commodity inspection, arbitration, technical supervision departments; building materials ceramic; petroleum and chemical products, machine

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and spare parts.

Technical parameters:

Model	ZL-6012A
Temperature range	A.high-temperature: +60℃~+150℃ (can be customized)
	B.low-temperature: -10℃~-40℃;
Control temperature	±2℃;
resolution	0.01℃;
Heating time at high-temperature region	RT~+150℃ about 35min (RT is from +5~+30℃) .
Cooling time at low-temperature region	RT~-40℃ about 50min (RT is from +5~+30℃)
Moving time and temperature recover time	A. testing basket moving from high-temperature to low-temperature spend 10sec
	B.after exchanging the temperature,the temperature recovery time: 3min~5min (Stabilization time ≥ 30min)
Device noise	Below 75dB.
Weight	10Kg
Testing region(hot and cold)	50cm (W) *50cm (H) *50cm (D);
Outside size	140cm (W) *180cm (H) *142cm (D)
Testing basket size	30cm (W) *40cm (H) *30cm (D)
Inside material	SUS#304 Cold-Heat-resistant stainless steel
Outside material	stainless steel
Insulation material	High-density glass wool and high strength PU foam insulation
Anti-sweat structure	insulation layer and door micro-thermal anti-sweat
Expansion	Heat reach 300℃, cold reach -100 degree

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