Thermal Abuse Test 6009C

1. Product usage

Thermal abuse test box (heat shock) series equipment is a variety of high temperature impact test, baking, aging experiment, one of the commonly used equipment, suitable for electronic instruments, materials, electrical, vehicles, metal, electronic products, all kinds of electronic components in temperature environment, test its performance indicators and quality management and so on.

2. Product features

2.1 Use the touch screen controller, high-end atmosphere, powerful, single point temperature control or program temperature control method to choose;

2.2 Casters are installed at the bottom and can be moved according to the position;

2.3 PT 100 type thermal resistance temperature sensor, high accuracy, fast induction temperature, high temperature resistance, low maintenance;

2.4 Users can meet the special requirements of the laboratory according to the type of internal and external chamber wall processing;

2.5 The outer box is made of cold-rolled steel plate, spraying paint, corrosion and high temperature resistance, perfect structure;

2.6 The inner box is made of 304 # mirror plate, with smooth surface, corrosion resistance and high temperature resistance, easy to clean and easier to maintain;

2.7 Can be set any size, use no waste of space.

3. Implementation standards

3.1 GB 31241-2014 Safety Requirements for Lithium-Ion Batteries and Battery Packs for Portable Electronic Products;

3.2 MT/T 1051-2007 Lithium Ion Battery for Lamlamp;

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3.3 SJ / T 11169-1998 (UL1642:1995) Safety Standard for Domestic and Commercial batteries;

3.4 YD 1268-2003 Safety Requirements and Test Methods for lithium Battery and Charger for Mobile Communication;

3.5 GB / T 19521.11-2005 Safety Code for Inspection of Lithium Battery Pack;

3.6 GB / T 18287-2013 General Specification for Lithium-ion Batteries for Cellular Telephone Use;

3.7 SJ / T 11170-1998 (UL2054:1997) Safety Standards for Domestic and Commercial batteries;

3.8 UN 38.3, Proposals on the Transport of Dangerous Goods-Testing and Standards Manual, Part III, Section 38.3;

3.9 UL 1642 Lithium Battery Standard 2054 Domestic and Commercial Battery Set;

3.10 IEC62133-2012 Safety requirements for batteries and battery packs containing alkaline or non-acidic electrolyte-Safety batteries for sealed batteries for portable equipment;

3.11 GB / T 8897.4-2008 (IEC 60086-4:2007) Primary Battery-Part 4 Safety Requirements for Lithium Battery;

3.12 YDB 032- -2009 Backup Lithium-ion Battery Pack for Communications;

3.13 YD / T 2344.1- -2011- -Lithium Iron Phosphate Battery pack for Communication- -Part 1: Integrated battery pack;

3.14 GB / T 21966-2008 (IEC 62281:2004) Safety Requirements for Lithium Original Battery and Battery in Transportation;

3.15 GB38031-2020 Safety Requirements for Power Batteries used for Electric Vehicles.

Test standard requirements:

After charging the battery according to the prescribed test method, put it into the test chamber. The test chamber is heated at a rate of (5±2) ℃/min. When the temperature inside the chamber reaches 130℃±2℃, it is kept constant for 30 minutes. The battery should not catch fire or explode.

4.Technical parameter:

Box structure	Internal box size	500×500×500 mm (W×D×H)
	Carton size	About 870×720×1370mm (W×D×H), based on physical objects
	Control panel	Control panel is mounted above the console
	Open the door way	Single door opens from right to left
	Can see the window	Door with visual window, size W200 * H250mm
	Internal box material	430 # mirror plate, 1.0mm thick
	External box material	Cold-rolled steel plate, 1.0 mm thick. Powder baking paint processing
	Interlayer	Inside two adjustable, the bottom from 100mm first layer, above the division, distribution board two
	Thermal insulation material	High temperature resistant rock wool, good thermal insulation effect
	Sealed material	High temperature-resistant foam silicone strip
	Instrument connection	Open one test hole on the right side of the machine with a diameter of 50mm
	Trundle	The machine has installed movable casters and adjustable fixed foot cup for easy movement and fixed position

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Temperaturecontrolling system	Controller	Temperature controller is touch screen, fixed value or program operation control temperature can be selected, can be automatically calculated, PV / SV display at the same time, point touch setting 
	Timed function	Built-in timing function, temperature to time, time to stop heating, while the alarm prompt
	Data port	RS232 port
	Curve	The temperature curve at the runtime can be viewed on the touch screen table
	Temperature sensor	The PT 100 high-temperature type
	Control output signal	For 3-32V
	Heating controller	Solid-state relay S S R has no contact
	Fever material	High temperature resistant device
	Temperature range	Normal temperature + 20~200℃, the temperature is adjustable
	Heating rate	5℃±2.0/min Use the program time to control the heating rate
	Control accuracy	±0.5℃
	Display accuracy	0.1℃

	Test temperature	130℃± 2.0℃ (No-load test)
	Temperature deviation	± 2.0℃ (130℃ / 150℃) (No-load test)
Supply air system	Air supply mode	Internal hot air circulation, the inner box left air, right return air
	Motor	Long axial high temperature resistance special type, 370W / 220V
	Electric fan	Multi-wing turbine type 9-inch
	Entry and exit air outlet	One air inlet on the right side and one exhaust outlet on the left side
Protection system	Overtemperature protection system	When the temperature is out of control, and the set temperature is exceeded, the heating is automatically stopped power supply, thus protecting the safety of products and machines
	Circuit protection	Ground protection, quick insurance, overload protection, open circuit switch, etc
	Pressure relief device	The internal box has an explosion-proof vent on the rear, which instantly releases the shockwave generated when the battery explodes, effectively protecting the safety of the machine. The specifications are 200×200mm (W×H)
	Door protection device	The explosion-proof chain is installed at the four corners of the door to prevent the door from falling off and exploding Damage to property and personnel safety
Supply unit		Voltage AC 220V / 50Hz single-phase current 16A total power 3.5KW
Weight		About 150kg

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5. Configuration list

Order number	Accessories name	Model	Brand
1	Touch screen controller	7 Inch	Weishuo
2	Hot air circulation motor	1/2HP	Together
3	buzzer	AD16-22SM	Two workers
4	thermal overload protection	LRN08N	Schneider
5	Gated AC contactor	LC1/N1810	Schneider
6	Fan AC contactor	LC1/N0910	Schneider
7	solid state relay	LBG-D4840	Long bo
8	calorifier	3KW	Domestic quality
9	Overtemperature protector	E5C2/KX-E5C2-R	Domestic quality
10	wind wheel	9 Inch	Domestic quality
11	Wire and cable		Jin Ya / Min Xing
12	Press the twist switch	LA38	Jiangyin
13	pilot lamp	AD16-22DS	Two workers
14	fuse	B6X30/10A	Domestic quality
15	Temperature line	PT100 type	God jie
16	time relay	AH3-3	megalosaurus

6. Equipment delivery list

6.1 Instructions;

6.2 Delivery order;

6.3 Thermal abuse test box;

6.4 Qualification certificate, warranty certificate.

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7. Requirements for equipment use environment

Specifications	Index requirements
Equipment use environment requirements	Temperature below 45 degrees, humidity below 80%
Source	AC220V，50/60Hz
Headwaters	/
Vacuum	/
Compressed air	/
Ground requirements and load-bearing requirements	Concrete ground is 300kg
Network requirements	/
Smoke, dust, exhaust gas, Construction requirements for wastewater treatment plant	Waste gas exhaust interface exhaust gas exhaust interface φ 75mm

8. Product appearance



Pictures are for reference only, please refer to the actual product.

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