Battery Combustion Tester 6008C

1. 1. Product usage

Battery combustion injection test machine is suitable for lithium battery (or battery pack) flame resistance test. A round hole with a diameter of 102mm was drilled on an experimental platform, and a steel wire mesh was placed on the round hole, the tested battery was placed on the steel wire mesh screen, an octagonal steel wire mesh was installed around the sample, then the burner was ignited, and the sample was heated until the battery exploded or the battery burned, and then the combustion process was timing.

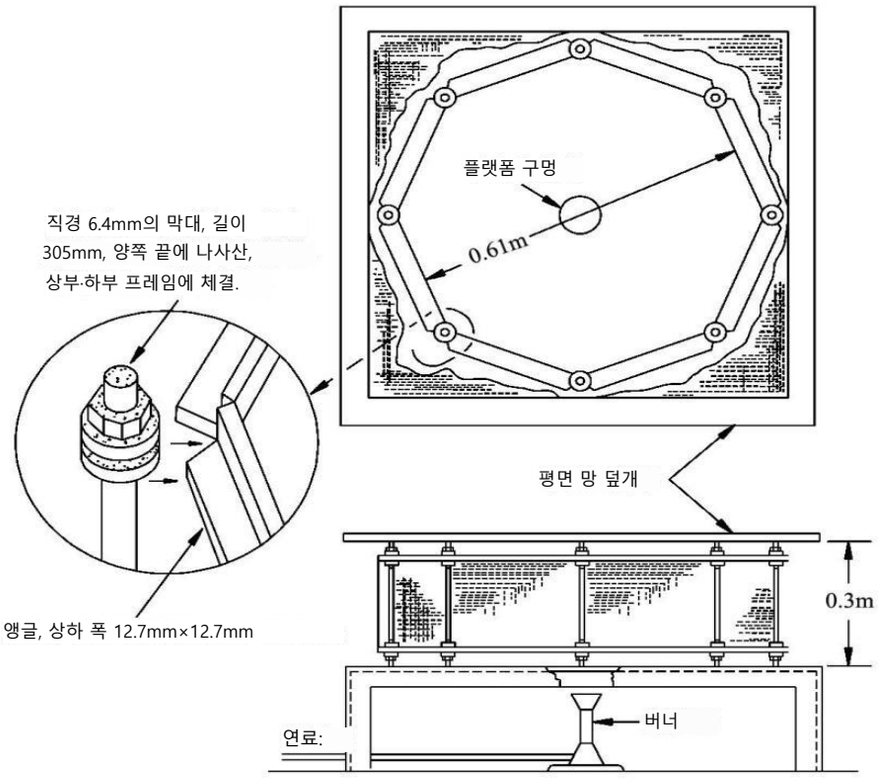
2. Implementation standards

2.1 GB/T 31241-2014 Safety Requirements for Lithium-Ion Batteries and Battery Packs for Portable Electronics.

2.2 UL 1642:2012 Lithium Battery Standard.

2.3 UN38.3 (2012), Proposal on the Transportation of Dangerous Goods-Test and Standard Manual, Part III.

2.4 IEC62133-2012 Safety Requirements for batteries and battery packs containing alkaline or non-acidic electrolyte.



3. Technical parameter

Internal box size	750x750x500mm (WxDxH)
Outline dimension	About 900x900x1650mm (WxDxH)
Internal box material	SUS201 Stainless steel plate, 1.2mm thick
External box material	Cold-rolled steel plate paint treatment, 1.5mm thick
Observation window	Size 250x250mm two layer tempered glass with stainless steel mesh
Exhaust port	Φ 100mm, located on the posterior side of the box
Pressure discharge mouth	The opening size is 200x200mm, located at the back of the box, and the pressure relief port when the sample explodes Pull open to remove the pressure
Box door	Single door left, the door is equipped with safety limit switch, explosion-proof chain on the side, close the box The door can operate the equipment to ensure the safety of personnel
Control method	PLC touch screen control +, wireless remote control action command
Bunsen Burner	The inner diameter of the pipe mouth is 9.5mm and about 100 mm long
Burning time	The 0-99H 99, and the H/M / S units are switchable
Test round hole	diameter 102mm
Test network screening	0.43mm diameter stainless steel wire into a mesh screen with 20 grids
Flame to network screening height	38mm
Octagon mesh width	Distance between each side is 24″ (610mm), octagonal shape, eight sides are movable for easy changeover. Easy to change and disassemble
Octagon net cover height	12″(305mm)
Octagonal mask material	Stainless steel mesh made of 0.25mm diameter aluminum wire containing 16-18 per

Web: neware.co.kr Tel: 010-9345-0834 E-mail: sales@neware.co.kr

	inch Net composition of the grid
Burning gases	Methane or liquefied petroleum gas (customer-owned)
Power	AC 220V 50Hz 200W
Weight	160kg

4. Main configuration list

Order number	Accessories name	Model	brand
1	controller	7-Inch touch screen	Weilun
2	Leakage switch	NXBLE32	Zhejiang zhengtai
3	AC contactor	NXC-09	Zhejiang zhengtai
4	auxiliary relay	MJ14	Zhejiang zhengtai
5	Switching Mode Power Supply	LRS-150-24	Taiwan Ming wei
6	overtravel-limit switch	TZ8108	Taiwan heaven
7	electromagnetic valve	2W025	SYPC

4. List of equipment vulnerable consumables

Order number	Name of a part	Explain
01	Stainless steel mesh board	custom made
02	burning gases	Methane or liquefied gas (user-provided)

5. Equipment delivery list

5.1 Instructions;

5.2 Delivery order;

5.3 One main test machine;

5.4 Qualification certificate, warranty certificate;

Web: neware.co.kr Tel: 010-9345-0834 E-mail: sales@neware.co.kr

6. Requirements for equipment use environment

Specifications	Index requirements
Equipment use environment requirements	Temperature below 45 degrees, humidity below 80%
Power	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 φ100mm

7. Product appearance



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

Web: neware.co.kr Tel: 010-9345-0834 E-mail: sales@neware.co.kr