

Flammability Testing Equipment Needle Flame Tester



Use

It used to determine flammability, ignition temperature and fire fatalness for products, which include lighting, low voltage electronic appliances, household appliances, electric tools and instruments. It is also applied to plastics and insulation materials, electric connectors etc.

Standards

According to IEC60695-2-10~13, IEC829, UL746A, DIN695 and VDE0471 standards.

Technical parameters

Burner	I/D $\varnothing 0.5\text{mm} \pm 0.1\text{mm}$, O/D $\leq \varnothing 0.9\text{mm}$, and length $\geq 35\text{mm}$ made of stainless steel;
Angle of burner	Can be vertical (when adjust and measuring the flame

	height), and incline (when for testing)
Burning layer	Pine board (Thickness is 10mm) with a layer of wrapping tissue (12~30 g/m ² , 200±5mm) on it
Burning gas	Butane or propane, the purity is 95%
Flame temperature	Heating rising from 100 ± 2°C to 700 ± 3°C within 23.5±1.0s
Flame height	12mm ± 1mm, can be adjust
Burning time	0 ~ 999.9s can be setting and digital displayer
Duration burning timer	1-999.9s, digital displayer and can press stay button for keeping the display)
Burning room	≥ 0.5m ³ , with black color
Temperature sensor	K-type thermocouple and the diameter is Φ 0.5mm, the max temperature is 1100°C
Measurement	L1120 * W520 *H1250mm, and exhaust hole is Φ100mm
Power supply	220V/AC, 50Hz, can be design as customer's request.

Main features

- 1.Glow wire tester is in accordance with IEC60695-2-10, UL 746A, GB/T5169.10, GB4706.1
- 2.Thermocouple:model K,imported insulating thermal stablized sheathed thermocouple,heat resistance 1100°C
- 3.Glow wire temperature:500°C-960°C(presettable data display),temperature fluctuation<3°C
- 4.Test pressure of specimen:1.0N±0.1N
- 5.Max thermal depth:7mm±0.5mm(adjustable)
- 6.Movement velocity of specimen:10mm/s-25mm/s
- 7.Test time:30s+0.1s(1-999.9s data display presettable)
- 8.Test board capacity:0.1cubic,0.5cubic and 0.75 cubic