

**Description:**

Glow Wire Flammability Tester refers to GB/T5169.10; GB/T5169.11; GB/T5169.12; GB/T5169.13 (IEC60695-2-10; IEC60695-2-11; IEC60695-2-12; IEC60695-2-13) "Glow wire / hot wire basic test method, 5169.10 glow wire test device and general test method; 5169.11 finished product glow ignitability test method; 5169.12 material glow wire flammability test method; 5169.13 material glow wire ignited Standard Test Methods and UL 746A, IEC829 VDE0471 and other standards stipulate the use of the flameless ignition source program simulation test project.

The glow wire tester will heat the test wire (Ni-C/Cr20) and the shape of the heating wire to the test temperature (550 °C ~ 960 °C) for 1 min, and then burn the test piece for 30 s at the specified pressure (1.0 N). And the ignition time of the matting material to determine the ignition hazard of the finished electrical and electronic equipment; determining the light-off property, light-off temperature (GWIT), flammability and flammability index of solid insulating materials and other solid combustible materials (GWFI).

Glow wire tester is applicable to GB4706.1, GB8898.1, GB4943.1, GB7000.1, GB4793.1 and other standards, such as lighting equipment, low-voltage electrical appliances, household appliances, machine tools, electric motors, electric tools, electronic instruments, electricians The research, production and quality inspection departments for electrical and electronic products and their components, such as instruments, information technology equipment, electrical equipment, electrical connectors and accessories, are also applicable to insulating materials, engineering plastics or other solid combustible materials industries.

**Standards:**

IEC60695-2-10,  
UL 746A,  
GB/T5169.10,  
GB4706.1

**Features:**

1. Glow wire tester is in accordance with IEC60695-2-10, UL 746A, GB/T5169.10, GB4706.1
2. Thermocouple: model K Type imported insulating thermal stabilized sheathed thermocouple, heat resistance 1100°C
3. Glow wire temperature: 500°C-960°C (presentable 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 presentable)

**Advantages:**

1. Can meet different test methods and standards, GB, ISO, ASTM test methods setting freely.
2. LCD display all the test result, data and curve.
3. Wrapping connector driving system to make working more stably and more precision.
4. Microcomputer controlling, all keyboard operation.
5. Automatic judgment materials slide adhesive state and sample test results between quantitative discrete analysis.
6. Static friction coefficient and dynamic friction coefficient option freely, flexible test.
7. Can save 6 test results and data and display the curve. Also with query function.

**Specification:**

|                          |                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Glow wire                | 4mm ± 0.04mm Ni/Cr(80/120) special standard ring, horizontally placed                                                                        |
| Thermocouple             | 1.0mm K type, imported insulated high temperature armored thermocouple, armored sleeve heat resistant 1100 °C (better than standard 1050 °C) |
| Heating temperature      | 500 °C ~ 960 °C ( could be preset ) ,temp fluctuation < 3 °C                                                                                 |
| Pressure                 | 0.95N±0.1N(can be set)(better than 1.0N±0.2N)                                                                                                |
| Max depth                | 7mm ± 0.5mm (adjustable)                                                                                                                     |
| Sample moving speed      | 10mm /s ~ 25mm /s                                                                                                                            |
| Test time                | 30s±0.1s(0.01s ~ 99.99s digital readout, preset )                                                                                            |
| Ignition plate thickness | 10mm thick white pine plate with size of 12g /m <sup>2</sup> ~ 30g /m <sup>2</sup> , standard silk paper, 200mm ± 5mm under the glow wire    |
| Test room                | ≥ 0.5m <sup>3</sup> ,black back, background illumination ≤ 20Lx                                                                              |
| Size                     | W 1150mm × D 600mm × H 1150mm, exhaust hole 100mm                                                                                            |
| Power                    | 220V 50-60Hz                                                                                                                                 |