

Glow Wire Test Chamber for Fire Hazard Testing

This glow wire tester assesses fire hazards of electro-technical products. It conducts testing in accordance with international standards.



Overview

Fire Hazard Testing Solution

This Glow Wire Test Chamber is engineered for precise fire hazard testing on electrotechnical products in compliance with international safety standards. It features a self-contained cabinet with a dark interior and a large viewing window, ensuring accurate observation and controlled testing environments. The unit includes advanced digital temperature and timing controls, allowing for reliable assessment of material ignition resistance and self-extinguishing capabilities.

Technical Specifications

Temperature Ranges

500 °C

Low Range Start

750 °C

Low Range End

960 °C

High Range End

Glow Wire Diameter	4 mm
Glow Wire Material	Ni/Cr (80/20)
Thermocouple Specifications	Type K (Ni/Cr - Ni/Al), 0.5mm diameter, armored sheath

Test Parameters

Timing Controls

Parameter	Range/Value
Searing Time	30s ± 0.1s
Light-off Time	0-999.9s
Fire out Time	0-999.9s

Mechanical Test Parameters

- Ironing into depth: 7mm ± 0.5mm
- Sample pressure: 1N ± 0.2N
- Test speed: 18 ± 3mm/s

Compliance & Standards

Applicable Standards	IEC60695-2-10/11/12/13, IEC60884-1, GB2099.1, IEC60335-1, GB4706.1, VDE0620
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Electrical & Control

Power Supply	AC 220V, 50Hz
Control System	Single chip microcomputer with touch screen interface