

The GLOW WIRE APPARATUS is designed to meet “IEC 60695-2-10 Fire hazard testing. Part 2: Test methods Glow-wire test and guidance”

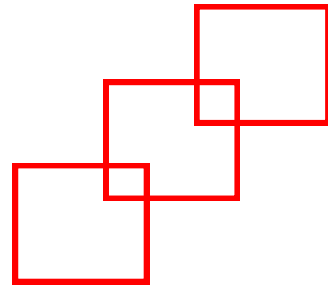
Manufactured to perform the test specified in many standards (IEC 60335, IEC 60065, IEC 60745, IEC 61029, IEC 60950) to check resistance to fire in insulating parts. The best method for testing electro technical products with regard to fire hazard is to duplicate exactly conditions occurring in practice.

In most cases this is not possible. Hence, for practical reasons, testing of electro technical products for fire hazard is conducted by simulating as closely as possible actual effects occurring in practice.

A loop of resistance wire is electrically heated to a specified temperature and the specimen being tested is brought into contact with this heated wire with a defined horizontal loading.

Observations and measurements are made to evaluate the fire hazard presented by the specimen during exposure to elevated temperatures.

Our Glow Wire Test Apparatus is fully automated, controlled by microcontroller. You only should set the time test, put the sample in the car, raise the temperature of the glow loop until the desired and press the Start button. The car will begin to move forward until glow loop touch and, after the elapsed time settings, the car will go back to the starting position..

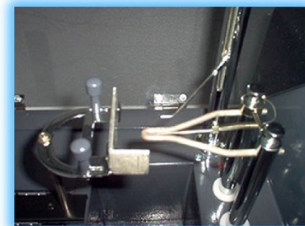


Specimen Support



Technical features

- Electrically heated by current transformer 150 A, to a predetermined temperature from 0 to 980 °C.
- Nickel/Chromium glow wire (80:20), 4mm dia, shaped as specified in standard.
- Temperature is measured by a Thermocouple Type K (0.8mm) and is indicated on digital display.
- Motorized specimen carriage, low friction.
- Automatic, motorized forward and reverse motion of test specimen.
- Test sample contact force against glow wire preloaded to 1.0N (+/- 0.2N).
- Penetration depth 7mm (+/- 0.5mm) and flame height mechanical and electronically controlled.
- Digital timer to control Glow wire application time, test duration.
- Totally controlled by microprocessor.
- Programmable temporized of the test sequence.
- Supply 220 Vca 50-60Hz.
- Dimensions 530 x 500 x 450 (h) mm. Approximate.
- Weight: 33 Kg.
- The ambient light < 20 lux.
- Reference: IEC 60695-2-10.



Some pictures

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