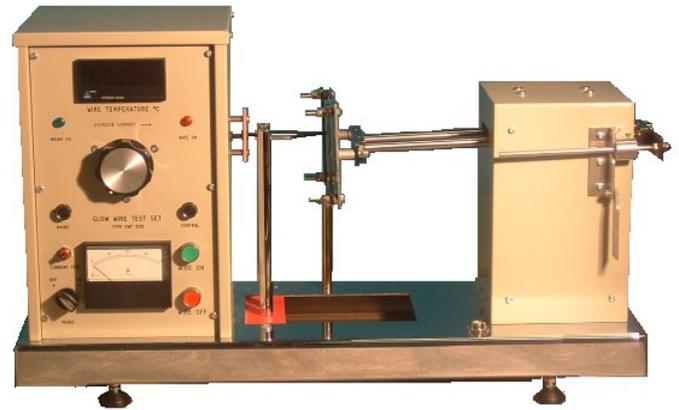


Glow Wire Tester GWT-200

Includes Instructional Video (CD-ROM)

The Glow Wire Tester type GWT-200 is designed to carry out fire hazard testing on electrotechnical products in accordance with the provisions of International standards.

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.



The GWT-200 Test Set incorporates a control unit, a traverse unit and the glow wire, all mounted on a robust base plate. The traverse unit is so arranged that the specimen carriage is mounted at the same level as the glow wire and this considerably reduces the contamination of the carriage from residues resulting from the testing. Suitable stops and a carriage retainer are built in to ensure that the actual testing can be carried out with the minimum of inconvenience.

The control unit is supplied with all the controls and metering necessary to accurately set the temperature of the glow wire. The wire current is continuously variable by means of the panel-mounted controller and is monitored by the built-in ammeter. A digital temperature indicator is fitted which, in conjunction with the thermocouple supplied, accurately measures the glow wire temperature. The electrical circuit of the control unit is fully protected by fuses and a miniature circuit breaker and incorporates mains on/off switching and push button control of the output current. High brightness neon indicators are included so that the state of the electrical circuit is continuously displayed.

The base plate is finished in polished chromium plating so that residues from the testing can be easily removed. Fitted to the base plate are a flame height scale, a level and adjustable feet.

SPECIFICATIONS

Glow Wire Element	-	Ni/Cr wire, 4mm diam
Temperature Range	-	50°C - 960°C
Current Range	-	0 to 200 A
Thermocouple	-	Type K (Ni/Cr - Ni/Al)
Thermocouple Size O/D	-	0.5 mm
Temperature Resolution	-	1°C
Traverse Unit	-	Horizontal
Force	-	1 N
Maximum Travel	-	14.5 cms
Test Travel Limit	-	7 mm
Flame Height Indicator	-	30 cms
Input Power	-	240 Vac 50 Hz 3A 115 VAC Optional

ADDITIONAL NOTES:

- MEETS ALL IEC AND OTHER INTERNATIONAL STANDARDS
- UNIT IS DELIVERED CALIBRATED WITH A CALIBRATION CERTIFICATE.
- INCLUDES INSTRUCTIONAL CD WHICH WALKS USER THROUGH STEPS OF OPERATION
- DIGITAL TEMPERATURE DISPLAY

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