

Glow Wire Thermocouple

Model: G0003 - 5

a measurable difference...

IDM[®]
instruments

The Glow Wire Thermocouple allows for a test to be carried out assessing the effects of heat generated by electrical faults and overloads within electrical equipment in solid insulated materials and non-metallic enclosures containing or supporting current carrying parts with regard to ignitability and propagation of flame.

An electrically heated small loop of resistance wire "Glow-wire" is applied to those insulation surfaces likely to be subjected to heat generated by fault conditions or overloads. The temperature and duration of application of the glow-wire is dependant upon the operational and service conditions of the equipment under test. The glow-wire thermocouple is an integral part of this test.

The glow wire must be introduced at right angles to the test specimen with a force of 0.8 to 1.2N and the glow-wire and test specimen must be moved towards each other over a distance of up to 7mm.

Calibration of thermocouple is to be carried out at 960°C.

Preferred test temperatures are:

- 650°C
- 750°C
- 850°C
- 960°C

Applications:

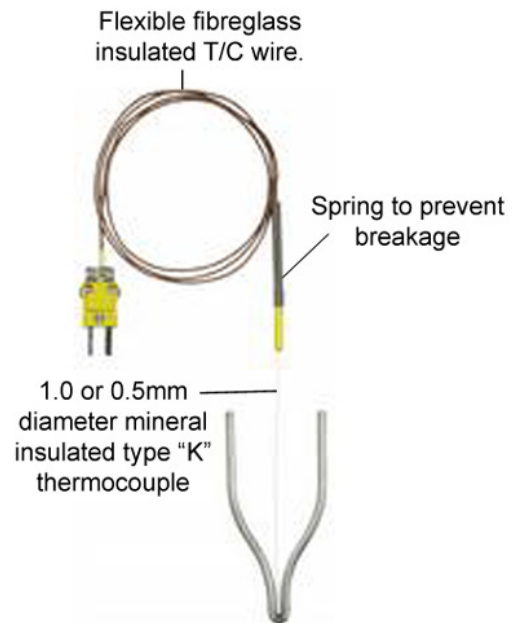
- Electro technical equipment.
- Solid combustible materials.
- Solid electrical insulating materials.
- Insulation surfaces.

Features:

- Complies with very stringent requirements of the standards.
- Certified by FastLab. ECEFast NATA accredited laboratory No.5473.

Options:

- TS-GLOW-ASSNATA – 0.5mm diameter NATA certified Glow-Wire Thermocouple.
- TS-GLOW-ASSNATA1 – 1mm diameter NATA certified Glow-Wire Thermocouple



Standards:

- AS/NZS 60695.2.10:2000 – Glowing Hot-Wire based test method.