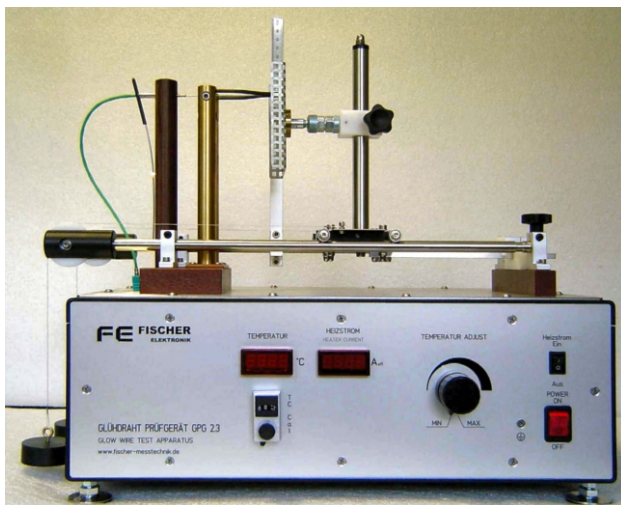


Glow Wire Test Apparatus GPG 2.3

Test instrument for determining ignitability and flammability of materials, finished products and components using glow wire according DIN EN 60695-2-10



- ▶ test unit to detect the Glow Wire Flammability Index (GWFI), the Glow Wire Ignition Temperature (GWIT) and Glow Wire Temperature (GWT)
- ▶ test according to DIN EN 60695-2-10
- ▶ adjustment of glow wire temperature from 50 to 999 °C
- ▶ display for heating current and temperature
- ▶ RMS indication of the heater current
- ▶ pressing force 1 N
- ▶ Scale for flame height
- ▶ Scale for penetration depth

Technical Data:

Size in mm: 570 x 550 x 340 (W/H/L)
 Weight: app.. 27 kg
 Operating voltage: 230 V

Accessories:

glow wire loop with hole for Thermocouple Ø 1 mm
 Thermocouple Ø 1 mm
 silver foil 20 cm, board for tissue paper, tissue paper
 quick-change specimen holder (optional)

The device is suitable for the glow wire test according to DIN EN 60695-2 and corresponds to the structure shown in this standard.

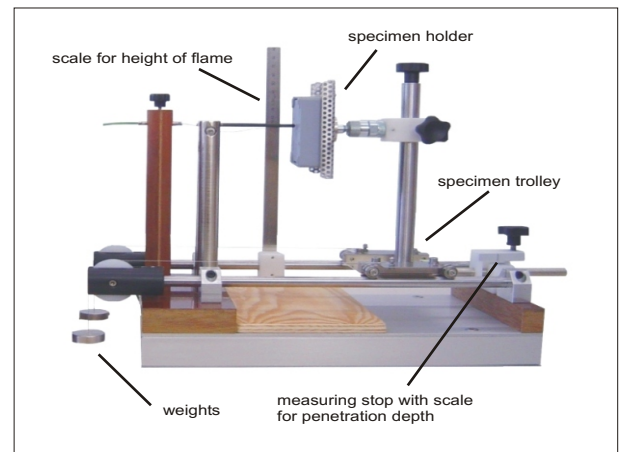
It is determined the glow wire ignition temperature. The glow wire temperature can be set from 50 to 999 °C.

The specimen trolley is connected via cables with 2 weights. (pressing force 1 N)

There are tests on solid insulating materials or other solid materials are possible.

The device is equipped with one measuring scale each for the flame height and the penetration depth.

The holder for the specimen is adjustable.



GWFI stands for Glow Wire Flammability Index (IEC 60695-2-12). This is a property associated with raw material used in the end product. The Glow Wire Flammability Index (GWFI) is the highest temperature at which the material does not ignite or self-extinguishes within 30 seconds after removal of the heated element.

GWIT stands for Glow Wire Ignition Temperature (IEC 60695-2-13). This is a property associated with raw material used in the end product. The Glow Wire Ignition Temperature (GWIT) is the lowest temperature at which the material ignites and burns for longer

GWT stands for Glow Wire Test (IEC 60695-2-11). GWT is used when glow wire testing is performed on an end product. Passing the test requires that the sample does not ignite or self-extinguishes within 30 seconds after removal of the heated element. Also, the sample may not ignite the tissue paper if drips occur.