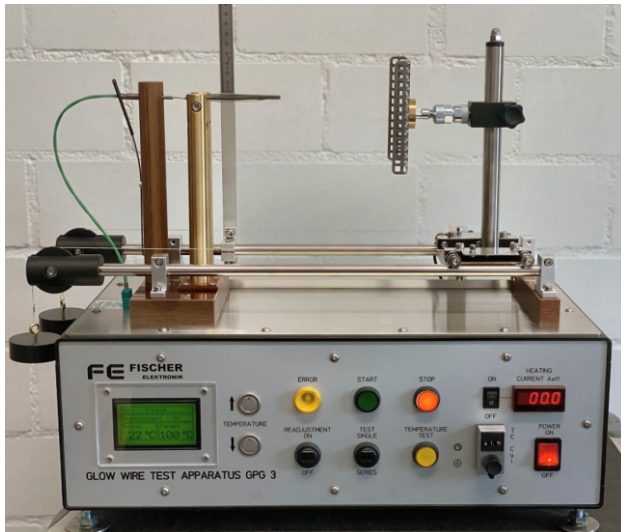


# Glow Wire Test Apparatus GPG 3

Processor-controlled automatic test instrument for determining ignitability and flammability of materials, end products and raw material test plates 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 100 to 999 °C
- ▶ processor-controlled test procedure
- ▶ automatic positioning of the specimen trolley
- ▶ automatic limitation of the test period
- ▶ electronic analysis of the penetration depth
- ▶ RMS indication of the heater current
- ▶ pressing force 1 N
- ▶ Scale for flame height
- ▶ Graphic display

**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 60695-2-10 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 100 to 999 °C.

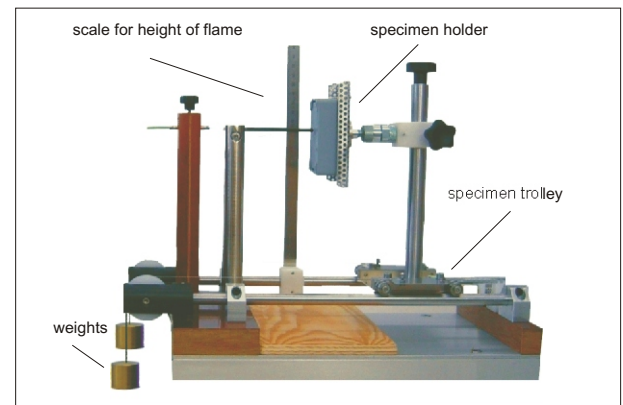
The specimen trolley is connected via cables with 2 weights.(pressing force 1 N)

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

The positioning of the specimen trolley and the evaluation of the penetration depth are automatic.

To determine the flame height is a measurement scale.

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.