

# Glow Wire Test Apparatus GPG 3

Processor-controlled automatic test instrument for determining ignitability and flammability of materials, finished products and components using glow wire according DIN EN 60695-2



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 100 to 1000 °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.

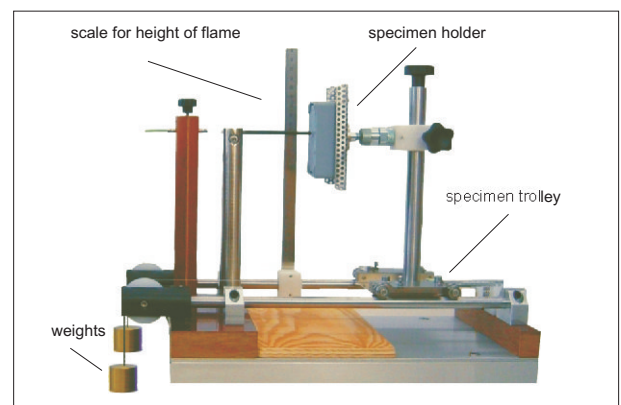
- ▶ test unit to detect the Glow Wire Flammability Index (GWFI), the Glow Wire Ignition Temperature (GWIT) and Glow Wire Temperature(GWT)
- ▶ test according to DIN EN 60695-2
- ▶ adjustment of glow wire temperature from 100 to 1000 °C
- ▶ processor-controlled test procedure
- ▶ automatic positioning 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  
thermocouple  
silver foil 20 cm  
quick-change specimen holder



**GWFI - Glow Wire Flammability Index**

The Glow Wire Flammability Index is the highest temperature, in which (in three consecutive tests) or the sample does not ignite the afterburning or glowing time after removal of the filament 30 s and carry no burning drops to the ignition of the tissue paper.

**GWIT - Glow Wire Ignition Temperature**

The Glow Wire Ignition Temperature is the 25 K higher temperature as the temperature where the test item does not inflame at 3 sequenced tests.

**GWT - Glow Wire Temperature**

The Glow Wire Temperature will be determined on the finished part and designates the maximum temperature at which the effect occurs during the entry of the filament no flame / no glow