



This Geiger-Müller sensor is suited for measuring alpha, beta and gamma radiation.

The sensor is provided with a power-on LED.

A “beeper” indicates when a radioactive particle is detected. A slide switch can be used to turn off the sound.

The sensor consists of a 500 V power supply and a GM tube mounted in a common housing.

The sensor is compatible with the following units: 200250 Electronic counter, 513600 GM Counter, 513800 Coincidence box. Pasco interfaces 500, 550, 700, 750, and 850 as well as all Pasco links via a PS-2159 Digital Adapter. The sensor can furthermore be used with any equipment that accepts TTL pulses and which can provide the 5 V supply voltage – please see the technical specifications for details.

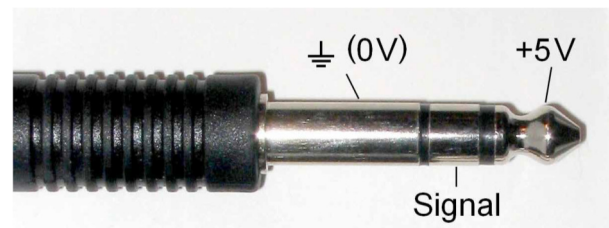
CAUTION

The GM sensor is provided with a thin and fragile window. The sensor is therefore fitted with a protective cap. The cap is provided with an air vent which must not be covered during mounting and dismounting of the cap. The cap must be removed when measuring alpha and beta radiation, but can be left on when measuring gamma radiation.

Specifications

The GM sensor is sensitive to alpha, beta and gamma radiation.

Connection:	6.3 mm (Stereo) Jack
Supply voltage:	5 V DC
Current consumption:	approx. 10 mA
Output signal:	TTL



Window:

Thickness:	1.5 to 2.0 mg/cm ²
Effective diameter:	9.14 mm
Material:	Mica
Gas:	Neon and halogen
Size, L x W x H:	130 x 25 x 35 mm