RADIATION SCANNER

PCE-RAM 8



- **Gamma, beta and X-rays**
- **Dose measurement**
- **Accumulated radiation measurement**
- **Display in µSv/h and µR/h**
- **Adjustable acoustic alarm**
- **Battery operation**

The geiger counter is a high-precision instrument developed for the detection of gamma, beta and X-rays. With its sensitive detection technology, it enables reliable measurement and monitoring of the radiation environment. Dose measurement is a central aspect of the radiation meter.

The geiger counter enables precise determination of the radiation dose and allows cumulative radiation measurement over a defined period of time. These functions are crucial for the assessment of radiation exposure and compliance with safety-related standards. The results of the radiation measurements are shown on the easy-to-read display in microsieverts per hour (µSv/h) and microroentgen per hour (µR/h).

The geiger counter is equipped with an adjustable acoustic alarm that alerts you if predefined radiation values are exceeded. The long battery life ensures reliable measurement over long periods of time without interruption. The field of application ranges from radiology to disaster control. Radiation measuring devices from PCE Instruments are also used in industry.

Specification

Radiation	
Measuring range	0,01 ... 9999 µSv/h
Resolution	0,01 µSv/h
Accuracy	<±10 % (137Cs 1 mSv/h)

General technical data	
Measuring functions	Gamma rays, Beta radiation, X-rays
Energy sector	48 ... 1500 keV
Display Typ	LCD
Display size	1,73 Inch
Sensor	Geiger-Müller counter tube
Operating time	8 h
Alarm	Acoustic
Menu language	English (US), German
Protection class (device)	IP30
Power supply	5V DC
Battery capacity	1000 mAh
Operating conditions	0 ... 40 °C , 0 ... 85 %RH
Storage conditions	-10 ... 60 °C , 0 ... 85 %RH
Dimensions (L x W x H)	160 x 55 x 33 mm
Weight	140 g

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