RADIATION METER

PCE-RAM 10



- **α-, β-, γ- and x- radiation**
- **High measuring accuracy**
- **Internal data storage for 2000 values**
- **Large LCD display**
- **Bluetooth interface**
- **Software for data processing**

The radiation meter was developed to detect α-, β-, γ- and x-radiation. The radiation meter provides many features including a large, high-resolution LCD display with background lights and many indicators. The radiation meter has an internal data storage for up to 2000 data sets, which are saved either manually or automatically. Furthermore the radiation meter is equipped with a Bluetooth interface to transfer the measured data in real-time to a computer. With the software that is included in the delivery, the data can then be further processed and reviewed. The radiation meter stands out with its high accuracy and practical design. The radiation meter can be applied in the pharmaceutical industry, laboratories, power plants, quarries, the emergency services, metal industries, petroleum reservoirs, environmental protection etc.

Specification

Radiation	
Measuring range	0,01 ... 1000 µSv/h
Resolution	0,01 µSv/h
Accuracy	±10% up to 500 µSv/h, ±20% up to 600 µSv/h
Radiation	
Measuring range	0 ... 9999 Impulse
Resolution	1 Impulse
Accuracy	±10%
Radiation	
Measuring range	0 ... 30000 cpm
Resolution	1 cpm
Accuracy	±<10%
Radiation	
Measuring range	0 ... 5000 cps
Resolution	1 cps
Accuracy	±<10%
Radiation	
Measuring range	0,001 µSv ... 9999 Sv
Resolution	0,001 µSv
Accuracy	± 10% (up to the middle range), ± 20% (for high values)

General technical data	
Types of radiation	Alpha rays, Beta rays, Gamma rays, X-rays
Measuring interval	2 ... 12 s
Display type	LCD with backlight
Storage medium	Internal memory
Storage capacity	2000 Values
Interface	Bluetooth
Sensor	Geiger-Mueller counter tube
Alarm	Acoustic
Sensitivity	Alpha rays: from 4 MeV Beta rays: from 0.2 MeV Gamma rays: from 0.02 MeV X-rays: from 0.02 MeV
Menu language	English, English (GB)
Protection class (device)	IP20
(Rechargeable) battery	4 x 1,5 V AA battery , Alkali-manganese
Capacity	2500 mAh
Operating conditions	0 ... 50 °C , 0 ... 75 % RH
Storage conditions	0 ... 50 °C , 0 ... 75 % RH
Dimensions (L x W x H)	200 x 70 x 45 mm
Weight	206 g