RADIATION DETECTOR

PCE-RAM 7



- **Gamma, beta and X-rays**
- **Display in µSv/h, CPM, CPS**
- **Sensitivity of 80 CPM / µSV/(Co-60)**
- **Adjustable audible alarm**
- **Sensor: Geiger-Müller counter tube**
- **Display of time and date**
- **Battery operation**
- **Ergonomic handle**

The Geiger Counter with a measurement range of 0 to 9999 µSv/h and a resolution of 0.01 µSv/h is a powerful and precise instrument for detecting beta (β), gamma (γ) and X-ray radiation. Equipped with an energy-compensated Geiger-Müller tube, it offers a high sensitivity of 80 CPM/µSv (for Co-60) and a flexible display in µSv/h, CPM and CPS.

Thanks to its compact and handy design, the Geiger Counter is easy to use and is ideal for measuring small changes in radiation values. Our Geiger Counter is equipped with a display that shows the date and time and offers the option of switching the display from white to black to optimise readability under different lighting conditions. An adjustable audible alarm provides additional safety by making you aware of increased radiation levels. Battery operation allows flexible use in different areas. The charging time of the device is only approx. 1-2 hours.

The Geiger Counter is used, for example, in environmental protection by security forces, in the medical sector and also by private individuals to monitor their living environment.

Specification

Radiation	
Measuring range	0 ... 9999 µSv/h
Resolution	0,01 µSv/h
Accuracy	≤3 % of the measured value (of m.v.)
Radiation	
Measuring range	0 ... 9999 cps
Resolution	1 cps
Accuracy	≤3 % of the measured value (of m.v.)
Radiation	
Measuring range	0 ... 9999 cpm
Resolution	1 cpm
Accuracy	≤3 % of the measured value (of m.v.)

General technical data	
Measuring functions	Gamma rays, X-rays, Beta radiation
Energy sector	20 ... 3000 keV
Display Typ	TFT-Color Display
Display size	1,8 Inch
Interface	Micro-USB
Sensor	Geiger-Müller counter tube
Alarm	Acoustic
Sensitivity	80 cpm/µsV (Co-60)
Menu language	English (US)
Protection class (device)	IP54
Power supply	5 V
Battery capacity	1100 mAh
Operating conditions	0 ... 50 °C , 10 ... 90 %RH
Storage conditions	-10 ... 60 °C , 10 ... 90 %RH
Dimensions (L x W x H)	180 x 55 x 80 mm
Weight	170 g

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