

RADIATION METER

PCE-RAM 3



- » real-time value, average value
- » Measuring functions: Min, Max
- » Sensitivity: 80 CPM/µSv (based on Co-60)
- » radiation alarm adjustable
- » Cumulative radiation alarm adjustable
- » Cumulative dose display

Our radiation meter is mainly used to measure gamma, beta and X-rays and uses a Geiger-Müller counter to measure the intensity of ionizing radiation. The measuring range is 0 ... 10 mSv/h. The 2.3-inch display with multi-function indicator shows the cumulative dose, average and maximum dose, while the real-time measurements are also displayed there graphically.

The device has two alarm modes: the radiation alarm (0 ... 100 µSv/h) and the cumulative radiation alarm (0 ... 100 mSv). Both alarms are equipped with different settings for optical, acoustic and vibrating warning signals.

The energy range of the device is between 48 and 1500 keV.

The radiation meter is equipped with a micro USB interface and a lithium battery.

The radiation meter also shows the current battery level so that the user is always informed. The brightness of the display can be adjusted as required to ensure it remains easy to read even under different lighting conditions. The date and time are also shown on the display.

This radiation meter is ideal for research, medical, industrial and environmental applications. It can be used in nuclear power plants, hospitals, laboratories, radiation protection monitoring and emergency scenarios.

specification

radiation	
measuring range	0 ... 10 mSv/h
resolution	0,01 μ Sv/h
accuracy	\pm 30 % (for 137 Cs)
radiation	
measuring range	0 ... 500 mSv
resolution	0,01 μ Sv
accuracy	\pm 30 % (for 137 Cs)

General technical data	
measurement functions	MIN, MAX, average value
unit(s)	Sv/h, Gy/h, mR/h, cps, cpm
energy sector	48 ... 1500 keV
Display Typ	LCD with backlight
display size	2.8 inches
interface	Micro-USB
Sensor	Geiger-Müller counter tube
Alarm	optical, acoustic, vibration
Alarm modes	Radiation alarm: 0 ... 100 μ Sv/h Cumulative radiation alarm: 0 ... 100 mSv
sensitivity	80 CPM/ μ Sv (based on Co-60)
menu language	English (US), Chinese, English (GB), Russian, Japanese, Spanish, Portuguese, Korean
protection class (device)	IP20
power supply	5V DC
battery	1 x 3,7 V 703048 , lithium polymer battery
capacity	1100 mAh
operating conditions	0 ... 50 °C . 5 ... 70 % r. F.
storage conditions	0 ... 50 °C . 5 ... 70 % r. F.
Dimensions (L x W x H)	165 x 90 x 32 mm
Weight	213 g