RADIATION DETECTOR

PCE-RDM 15



- **Real-time value, average value, total dose**
- **Sensitivity: 1 cps/µSv/h (related to Co-60)**
- **Adjustable alarm limit for total dose**
- **Adjustable time dose**
- **Long-term measurements**
- **Radiation events in CPS and CPM**
- **Data memory and software**
- **Mounting clip**

The Geiger Counter is a portable device mainly used for monitoring X, γ and β radiation. The Geiger Counter is equipped with a glass Geiger-Müller counter tube (GM tube), which is known for its high measurement accuracy and sensitivity, and has a 2.4-inch TFT LCD display.

The Geiger Counter offers audible, visual and vibration alarms with customizable dose rate and total dose limits. It enables simultaneous real-time measurement of the dose rate and recording of the cumulative dose over a set period of time. In addition, the device displays the minimum, maximum and average values of the measurements.

The supplied software enables live measurement and data transfer from the internal memory. Thanks to its compact design, energy efficiency and versatility, the Geiger Counter is ideal for both professional and private use.

Specification

Radiation	
Measurement type	Real-time value
Measuring range	0,01 µSv/h ... 50 mSv/h
Resolution	0,01 µSv/h
Accuracy	<10 % at 1 mSv/h

Radiation	
Measurement type	Total dose
Measuring range	0 µSv ... 1000 Sv
Resolution	0,01 µSv
Accuracy	<10 % at 1 mSv/h

General technical data	
Measuring functions	MIN, MAX, Average value
Types of rays	Beta radiation, Gamma rays, X-rays
Energy sector	48 ... 1500 keV
Display Typ	LCD
Display size	2,4 Inch
Storage medium	Internal memory
Storage capacity	10000 Values
Interface	USB-C
Sensor	Geiger-Müller counter tube (glass)
Operating time	30 day(s)
Alarm	optical, Acoustic, Vibration
Alarm modes	Setting range for the dose rate: 0 ... 9.99 µSv/h Setting range for total dose: 0 ... 9999 µSv
Sensitivity	1 cps/µSv/h (related to Co-60)
Menu language	English (US), Chinese, English (GB)
Protection class (device)	IP52
Power supply	5V DC
Battery/battery	1 x 3,7 V intern , Lithium polymer battery
Battery capacity	1800 mAh
Operating conditions	-10 ... 45 °C , 0 ... 95 %RH
Storage conditions	-10 ... 45 °C , 0 ... 80 %RH
Dimensions (L x W x H)	127 x 65 x 32 mm
Weight	160 g

PCE Americas Inc. dba PCE Instruments
1201 Jupiter Park Drive, Suite 8
Jupiter, FL 33458
USA

Phone: +1-561-320-9162
info@pce-americas.com