ENVIRONMENTAL METER

PCE-RDM 10



- **Real-time dynamic data display**
- **Long-term dose accumulation function**
- **Manual adjustment of alarm thresholds**
- **Manual setting of recording intervals**
- **Historical data display function**
- **Capable of storing up to 167,857 data points**

The environmental meter is a portable handheld device for the measurement of Beta, Gamma, and X-rays. A GM tube (Geiger-Müller counter) detects radiation exposure that can be harmful to humans and the environment. The real-time value, the average value, and the accumulated dose are displayed on the environmental meter's large color screen. Additionally, the radiation dosimeter can display a bar graph of the most recent real-time measurements.

By setting an adjustable alarm threshold, the user can be alerted when the limit is exceeded. The environmental meter has a data storage capacity for 167,857 values, which can be accessed with a simple button press.

The storage interval and automatic shutdown can be adjusted or disabled as needed. In the environmental meter's settings, users can choose from 4 menu languages.

The environmental meter is used in the general population, by individuals professionally exposed to radiation, and in other areas where there is a health risk associated with radiation.

Specification

Radiation	
Measuring range	0,01 ... 99,99 µSv/h
Resolution	0,01 µSv/h
Accuracy	0.25 cps/µSv/h

General technical data	
Measuring functions	X-rays, Gamma rays, Hard beta rays
Energy range	48 ... 1500 keV
Display type	TFT colour display
Display size	2,8 Inch
Storage medium	Internal memory
Storage capacity	167857 Values
Storage interval from	2 s
Storage interval to	20 s
Interface	Micro-USB
Sensor	Geiger-Mueller counter tube
Automatic power-off from...to	10 ... 60 min.
Alarm	optical, Acoustic, Vibration
Menu language	English, Chinese, Russian, Japanese
Protection class (device)	IP42
Power supply	5 V
Capacity	1000 mAh
Operating conditions	0 ... 50 °C , 20 ... 85 % RH
Storage conditions	-20 ... 50 °C , 20 ... 85 % RH
Dimensions (L x W x H)	167 x 89 x 32 mm
Weight	202 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 464902 0
info@pce-instruments.co.uk