

RADON METER / RADON DETECTOR

PCE-RD 40



- » **Measuring range: 3.3 Bq/m³ ... 37 kBq/m³**
- » **Sensor: semiconductor detector**
- » **Measuring interval: 60 min**
- » **Storage every 6 hours**
- » **Long-term data storage up to 504 days**
- » **Screen standby mode - adjustable**
- » **2-inch LCD colour display**

The compact Radon Meter / Radon Detector offers a reliable and precise solution for continuous monitoring of radon concentration in indoor spaces. Thanks to its high long-term stability, the device is suitable for use in residential buildings, office buildings, public facilities and laboratories. With a measuring range from 3.3 Bq/m³ to 37 kBq/m³ and a measuring accuracy of $\pm 15\%$, the Radon Meter / Radon Detector delivers reliable results over a long period. The integrated semiconductor radon sensor ensures constant and accurate recording of the measured values.

Measurement is carried out at 60-minute intervals, while the recorded data is automatically saved every 6 hours. This allows long-term recording of up to 504 days. The 2-inch LC colour display clearly shows minimum, maximum and average values, as well as cumulative averages and measured values for the last 12, 24, 48 and 96 hours.

For added safety, the Radon Meter / Radon Detector has an individually adjustable acoustic and visual alarm function in the range of 100 to 800 Bq/m³. Initial measurement results are available after approximately 6 hours. Afterwards, a new data set is saved every 6 hours, with up to 10 data sets storable in the device memory. To extend battery life, the colour display can be switched to standby mode.

Specification

Radiation	
Measuring range	3,3 Bq/m ³ ... 37 kBq/m ³
Resolution	1 kBq/m ³
Accuracy	±15 %

General technical data	
Measuring functions	Cumulative average, 12h value, 24h value, 48h value, 96h value
Units	pCi/L, kBq/m ³
Display type	LC colour display
Display size	2 Inch
Storage medium	Internal memory
Memory information	The first measured values are displayed after 6 hours. A new data record is saved every 6 hours, whereby a maximum of 10 data records can be saved. Historical data can be viewed for up to 504 days.
Interface	USB-C
Operating time	45 Day(s)
Operating time additional information	with the screen switched off
Alarm	optical, Acoustic
Sensors	Semiconductor detector
Alarm settings	100 ... 800 Bq/m ³
Measuring interval	60 min
Menu language	English, English (GB), Chinese
Protection class (device)	IP20
Power supply	5V DC, 1 A
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion battery
Capacity	4600 mAh
Operating conditions	-10 ... 45 °C , 0 ... 90 (non-condensing)% RH
Storage conditions	-10 ... 45 °C , 0 ... 90 (non-condensing)% RH
Dimensions (L x W x H)	118 x 53 x 23 mm
Weight	108 g