

# RADON MONITOR

PCE-RD 75



- » **measurement range: 6 Bq/m<sup>3</sup> ... 10 kBq/m<sup>3</sup>**
- » **sensor: radon pulse ionisation chamber**
- » **measuring interval: every 10 minutes**
- » **reliable measured values: in 1 hour**
- » **automatic PDF generation**
- » **long-term data storage up to 508 days**
- » **screen standby mode - adjustable**
- » **data export: USB flash drive protocol**
- » **auto power off mode**
- » **display: 2.1-inch HD touch screen**

Our Radiation Detector offers precise measurements of indoor radon concentrations with a measurement range from 6 Bq/m<sup>3</sup> to 10 kBq/m<sup>3</sup>. The integrated radon pulse ionisation chamber sensor provides reliable results within one hour with an accuracy of 10 %. The data is updated every 10 minutes and can be displayed as a cumulative average and also as 12, 24, 48 and 96-hour values. Long-term data storage of up to 508 days enables automatic data backup and data export via USB using the USB flash drive protocol, so no additional software installation is required.

The Radiation Detector is equipped with a 2.1-inch HD touch screen that provides a clear, colour display of the current radon values. The screen's automatic energy-saving function and sleep mode optimise energy consumption. Our Radiation Detector features an audible alarm for elevated radon levels, real-time temperature and humidity detection and a long-life rechargeable lithium battery.

The Radiation Detector is suitable for use in homes, offices, schools and industrial buildings to ensure that radon levels remain within safe limits at all times. It is an important tool for homeowners, landlords and building contractors to effectively minimise health risks from radon exposure and ensure safe indoor air.

## Specification

### Radiation

Measuring range up to 2 Bq/m<sup>3</sup> ... 20 kBq/m<sup>3</sup>

Resolution 1 Bq/m<sup>3</sup>

Accuracy ±10%

### General technical data

Measuring functions Cumulative average, 12h value, 24h value, 48h value, 96h value

Units Bq/m<sup>3</sup>, pCi/L

Display Typ HD touchscreen

Display size 2,1 Inch

Display resolution 480 x 480 Pixel

Storage medium Internal memory

Storage information Data is automatically saved for 508 days after stopping or restarting the measurement and can be accessed on the computer via USB.

Data interface USB-C

Operating time 12 day(s)

Alarm Acoustic

Sensoren Radon pulse ionization chamber

measurement interval 10 min.

Menu language English (US), English (GB)

Protection class (device) IP20

Battery/battery 1 x 3,7 V intern , Lithium-ion battery

Battery capacity 5000 mAh

Operating conditions -10 ... 45 °C , 0 ... 80 %RH

Storage conditions -10 ... 45 °C , 0 ... 80 %RH

Dimensions ( L x W x H ) 130 x 80 x 80 mm

Weight 320 g