

Radon Scout *Home*

THE RADON RECORDER FOR YOUR HOME

The Radon Scout Home is used for long-term monitoring of the legal reference value for the radon ^{*}) concentration in breathing air. The device was specially designed for homeowners as well as tenants, lessors and housing companies. The Radon Scout Home records the transient behaviour of the radon concentration over many years reliably, meaning that influences on weather conditions and seasonal changes are safely recorded. Sensors for temperature and humidity provide information about a healthy indoor climate. The measurement data can be read out at any time for preservation of evidence.



^{*}) The radioactive noble gas radon counts as the major cause of lung cancer besides smoking. Because of this, a maximum of 300Bq/m³ will be defined until 2018 by European law. Radon gets from ground or construction materials into buildings and leads to higher concentrations depending on availability and air exchange.



PROFESSIONAL RADON MEASURING EQUIPMENT SINCE 1993

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Radon Scout *Home*

- ✓ High-quality case
- ✓ Alphanumeric display
- ✓ Humidity and temperature measuring
- ✓ Battery/mains-powered operation
- ✓ USB port
- ✓ Time-resolved measurement
- ✓ Professional Software Radon Vision
- ✓ Developed & manufactured in Germany
- ✓ Based on the professional Radon Scout instruments



Measuring principle	alpha-spectroscopy with PIN photo diode
Measuring range	0...1.000.000 Bq/m ³
Sensors	temperature, humidity (optional pressure and movement)
Measuring values	current value (adjustable interval) and average since start of a measurement; temperature, humidity, optional pressure, battery charge, time stamp
Precision at 200Bq/m³	7 days: 90% of the measuring values differ less than 15% from the true value 1 month: 90% of the measuring values differ less than 7% from the true value
Display	defeatable alphanumeric display (3x16), red LED for „low battery“
Storage	16383 records, any desired series of measurements (start/stop by switch)
Data transmission	USB port
Software	Radon Vision (data transmission, transfer, visualisation, log printing, export, etc.)
Power supply	2 x AAA or USB port adapter
Dimensions	80mm x 96mm x 44mm
Weight	approx. 140g with batteries

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