

SPIRIT

Radon Detector

SPIRIT is a continuous radon monitor (CRM) with high sensitivity for radon professionals who want to easily conduct accurate and reliable radon measurements at workplaces and in homes.



Real-time Monitoring

The SPIRIT radon detector measures radon in both pCi/L and Bq/m³. Its high sensitivity enables detection of rapid changes in radon levels in real time.

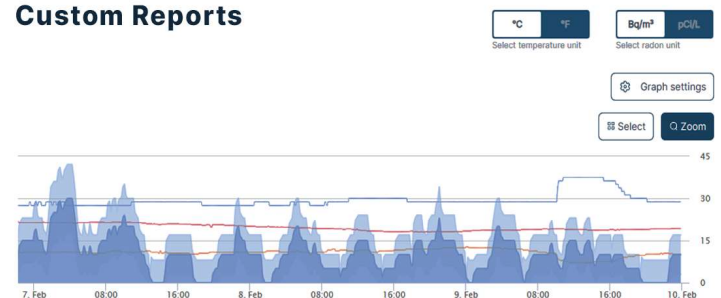
Portability

The SPIRIT is portable and can be moved between different measuring locations. For each measuring location, a new measuring series is created so that each measuring point can be easily distinguished. Radon levels can be monitored in real time via Radonline or can easily integrate into any system with Radonova's API's.

Technical Specifications

Principle of measurement	Electronic sensor
Detector type	Silicon detector with alpha spectrometry
Measurement range	0 - 2700 pCi/L
Measurement uncertainty	< 20% after 6h at 5.4 pCi/L
Minimum detectable activity	0.4 pCi/L at 1 hour int. time
Time resolution	1 h - 3 h
Connection	Wireless connection LoRaWAN 4G
Temperature range	-10°C to 50°C
Humidity range	0 - 90%
Battery capacity	60 days / rechargeable
Power	5V Micro USB or 10 - 28 AC/DC
Frequency band	868 MHz
Weight	360 g

Custom Reports



Data can be monitored in real time via Radonline

Detailed reports can be created and downloaded from the Radonline portal. Graphs display radon levels, temperature, humidity, movement (tampering), and air pressure for the location where the SPIRIT is installed. The monitor can also be connected to external property systems with API's.

World-class Sensitivity

The SPIRIT uses high voltage and is one of the most sensitive radon units on the market. Its high sensitivity ensures rapid variations in radon are registered more accurately. Units are individually calibrated.



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radonova
The global leader in radon measurement