



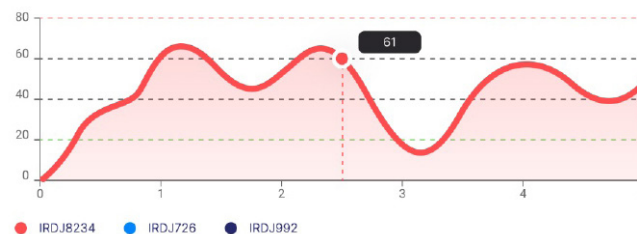
## SPIRIT® Logger

The radon logger SPIRIT Logger measures the radon content of the air in Bq / m<sup>3</sup>. The sensor's measuring range is 0-100 000 Bq/m<sup>3</sup> and thanks to its high sensitivity to rapidly occurring high hazardous radon levels, rapid changes in radon levels can be monitored in real time.

Data can be read out from Radonova's web on My Pages or via the API.

### A portable logger for your application

The radon logger is portable and can be moved around between different measuring points. For each new measuring point, a new measuring series is created so that each measuring point can be easily distinguished. Radon levels can be monitored in real time via Radonova web portal or easily integrated into any system with Radonova's APIs.



The data can be monitored in real time from Radonovas online portal.

### Technical Specification

<b>Principle of measurement</b>	Electronic sensor
<b>Detector type</b>	Silicon detector with alpha spectrometry
<b>Measurement range</b>	0 - 100.000 Bq/m <sup>3</sup>
<b>Measurement uncertainty</b>	< 15% after 6h at 200Bq/m <sup>3</sup>
<b>Minimum Detectable Activity</b>	25 Bq/m <sup>3</sup> at 1 hour int. time
<b>Time resolution</b>	1h - 3h
<b>Connection</b>	Wireless connection LoRaWAN
<b>Temperature range</b>	-10°C - 60°C
<b>Humidity range</b>	0-95%
<b>Battery capacity</b>	At least 60 days
<b>Power</b>	5V MicroUSB or 10-28V AC/DC fixed installation
<b>Weight</b>	360g

### World-class sensitivity!

The unit uses high voltage and is thanks to this one of the most sensitive radon units on the market. High sensitivity means that rapid variations in the radon content are registered more correctly. Each unit is individually calibrated.

### Advanced reporting tools

Powerful reports can be created and downloaded from Radonova's web portal. With the software, you can for example generate reports for follow-up radon measurements during working hours, during 48-hour measurements in homes and during 2-day measurements with calibrated instrument in homes.

### Radiospecifikation

<b>Network</b>	LoRaWAN
<b>Frequency band</b>	868 MHz
<b>Crypted algorithm</b>	AES-128
<b>Security functions</b>	Secure boot Säker firmwareuppdatering

Radonova Laboratories offers advanced measurement and consulting services in the field of ionising radiation. Using our ISO 17025 accredited system we establish the correct management and technical requirements to achieve accurate results for our customers. Our measurement service, which for example includes Radtrak<sup>3</sup>®, Rapidos® and Duotrak® detectors, is available globally and can be applied to dwellings, multifamily homes, workplaces, mines, institutions and wherever radon gas poses a health threat.

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