

Closer to your application

Radon Scout Home

Electronical radon monitor



Applications:

- for **long-term monitoring** of the radon concentration in airborne **Radon (²²²Rn)** in homes and workplaces
- for homeowners as well as tenants, lessors and housing companies.

Features:

- reliably records the time course of the radon concentration over many years
- temperature and humidity sensors provide information about a healthy room climate
- the measurement data can be read out at any time to preserve evidence
- a CO₂ sensor is optional
- can be calibrated according to DIN EN ISO/IEC 17025:2018 on request.

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Radon measurement

Detector type	silicon detector	
Range	1 Bq/m ³ ... 1.000.000 Bq/m ³ CO2: 400 ... 5.000 ppm (0,04% ... 0,5%)	
Accuracy	20%	
Sensitivity	0,092 cpm/(kBq/m ³)	
Stat. error (1σ)	1 week @ 300 Bq/m ³	6%
	1 month @ 300 Bq/m ³	3%
	1 week @ 100 Bq/m ³	10%
	1 month @ 100 Bq/m ³	5%
	24 hours @ 300 Bq/m ³	15%

Internal sensors **Rel. humidity, temperature, optional bar. pressure (-P) or CO2 (-CO2)**

Important	opt.CO2 sensor works only when instrument is powered through USB connector (computer, AC/DC adapter, power bank); measurement of other parameters is not affected, Automatic calibration with respect to outdoor CO2 level
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Equipment

Environmental conditions	0 ... 40°C 0 ... 95% rF, non-condensing 800 ... 1.100 hPa
Power supply	3.3 V DC by 2 x AAA batteries or via USB socket (5 V) running time with battery approx. 5 ... 6 months "Low. Batt." Display with red LED (flashes once every four seconds) short-term buffering of the real-time clock when changing the battery

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Display	alpha numeric LCD with bright backlight
Languages	DE, EN, ES, FR, IT, NO
Displayed values	switchable between SI and US units average radon value since the start of a series of measurements average radon level for the last 24 hours temperature, relative humidity barometric pressure (Radon Scout Home – P) CO2 concentration (Radon Scout Home – CO2) battery voltage (Radon Scout Home – P/CO2) date and time
Data storage	non-volatile memory with circular structure 16.383 data records saves all parameters including tilt detection each 4hrs
Interface	USB (Mini-USB socket)
Alert indication	display with red LED (flashes four times every four seconds) at > reference value of 300 Bq/m ³ at a CO2 concentration of more than 1,000 ppm, the red backlight is switched on (only Radon Scout Home - CO2)
Operation	slide switch to start/stop sampling button to toggle display page and backlight
Software	Radon Vision
Dimensions	80 mm x 96 mm x 44 mm
Weight	150 g (incl. batteries)
Scope of delivery	USB cable (for all types) 2 batteries type AAA quick manual & software on www.sarad.de power adapter (for CO2 version only) DAkkS-accredited calibration according to DIN EN ISO/IEC 17025:2018 possible on request