Radon Scout / Plus

Electronical radon monitor







Applications:

- for long-term measurements of the activity concentrations of airborne radon (²²² Rn) in homes, at workplaces (also underground)
- eminently suitable for the direct control of ventilation systems

Features:

- highest sensitivity in its class
- US EPA certified device
- shows the radon concentration time-resolved, even below 100 Bq/m³
- Radon Scout switching threshold set to 300 Bq/m³, freely selectable with Radon Scout Plus
- battery-powered, autonomous operation for several months, additional plug-in adapter for the Radon Scout Plus
- remote access and data transmission possible
- sensors for temperature, humidity and an integrated motion detector, the Radon Scout Plus also has an air pressure sensor
- LCD display on the Radon Scout Plus
- DAkkS-accredited calibration according to DIN EN ISO/IEC17025:2018



Closer to your application

Radon measurement

Detector type semiconductor detector with HV-chamber

Measuring range 1 ... 10.000.000 Bq/m³

1,8 imp/min @ 1000 Bg/m³ (independent of humidity) Sensitivity

Accuracy <=6%

200 Bq/m³ with 20% stat. error (1 σ) at 1h interval Stat. error

1.000 Bg/m³ with stat. error (1σ) < 10 % at 1h interval

100 Bq/m³ with 17% stat. error (1 σ) at 3 h interval

120 minutes to 95% of final value Response time

Integrated sensors relative humidity, temperature, tilt and

Radon Scout Plus: barometric pressure

Integration interval 1 h or 3 h selectable

Radon Scout Plus: 1...255 min adjustable per minute

Potential-free switch

contact

threshold level fixed to 300 Bq/m³ (EU reference value)

Radon Scout Plus: adjustable threshold

max. 60 V, 400 mA, peak current 1.5A

Instrument

Data storage non-volatile memory (circular structure)

672 data records

Radon Scout Plus: 16.383 data records

Power supply 3,3 V, 2 x D-size cell (Ni-Cd, NiMH or Alkaline)

Radon Scout Plus: additional external DC adapter

ATEX category No

Interfaces USB, RS232

Battery life > 90 days

Operation single switch, measurement/stand-by (lock-function)

Radon Scout Plus: display with backlight

Environmental

temperature 0 ... 40°C

conditions rel. humidity 0 ... 95%, non-condensing

bar. pressure 800 ... 1.100 hPa

Dimensions 175 x 135 x 55 mm



Closer to your application

Weight 800 g (incl. batteries)

Radon Vision Software

(incl.)

set-up, data download

interactive graphical display (zoom, pan, fit data-cursor, marker for tilt and start of a new measurement, error

bars, smoothing)

selective ASCII export (EXCEL format)

selective graphical protocol print (space for individual

header, user comments)

calculation of average concentration and exposure automatic created file names and path structure switch over between US and SI-units (Bg/m³ / pCi/L)

Scope of delivery Radon Scout / Radon Scout Plus

USB cable

2 batteries, type D

manual & software (electronic version)

DAkkS-accredited calibration certificate according to

the DIN EN ISO/IEC 17025:2018

Radon Scout Plus: power adapter



