

# Radon Mapper



Radon Mapper is a versatile instrument designed to implement radon detection, its quantitative measurement and mitigation. The unit is highly stable, maintenance free and suitable for a continuous radon monitoring campaign. Radon Mapper is ruggedly designed to withstand industrial and hostile environments.

## APPLICATIONS

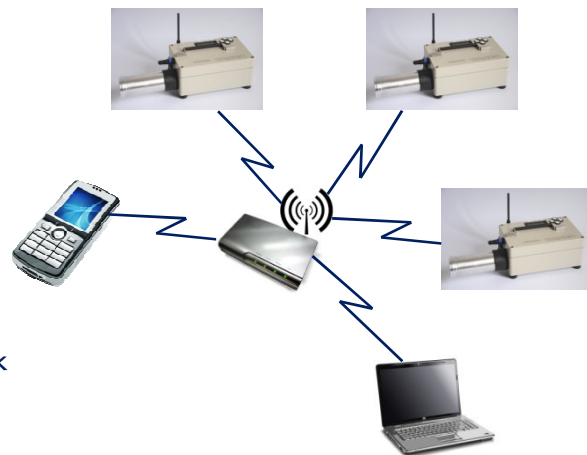
- ✓ continuous measurement
- ✓ radon sniffing
- ✓ grab sampling

## FEATURES

- ✓ passive or active sampling
- ✓ suitable for indoor and outdoor
- ✓ operation via WiFi, PoE, mobile phone
- ✓ power from the main, PoE, battery pack

## EASY TO USE

- ✓ automatic start
- ✓ data available in real time on LCD module
- ✓ data stored into internal memory card (ten years dataset)
- ✓ user interface through standard browser (Firefox or Chrome) via cable or WiFi



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# Radon Mapper

## TECHNICAL SPECIFICATIONS

### DETECTOR TYPE

Lucas cell ZnS(Ag) interchangeable head

- head for passive sampling
- head with air tight-connectors for active sampling (need optional pump module)

Two positions membrane pump (0.4 or 1 lpm air flux rate)

### RANGE

Dynamics: from 10 to 3.000.000 Bq/m<sup>3</sup>

Stability: 2% within 24 months at 1 kBq/m<sup>3</sup>

### SENSORS

Temperature: range -40 +125 °C accuracy  $\pm 1$  °C

Atmospheric pressure: range 750 - 1100 hPa resolution  $\pm 0.1$  hPa

Relative humidity: range 0-100% accuracy  $\pm 3$  %

Movement sensor: silicon accelerometer

### MEMORY

Internal memory card 4 GB

### PHYSICAL SPECIFICATION

Dimensions (main unit) 41 x 16 x 13 cm

Weight (main unit) 3.5 kg

### WORKING RANGE

Temperature: -10/+50 °C

Humidity: 0-90 % (non condensing)



active sampling with pump module

### COMMUNICATION

10/100 Mbps RJ45 IEEE 802.3

Retro illuminated LCD 16 characters x 2 lines

2 USB receptacles type A ver. 2.0 480 Mbps

Embedded WiFi IEEE 802.11g interno con antenna esterna

### POWER

Power supply pack input 100/230 Vac output 12 Vdc 1.5 A

External battery pack 12 V 4Ah

Embedded PoE splitter

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