

CANARY

Digital Radon Monitor

- Accurate
- Easy handling
- Fast and flexible
- Long and short term averages
- Battery operated



Measuring radon
has never been easier!

CANARY

Stand-alone digital device for continuous monitoring of radon gas in indoor air. Long term and short term averages are presented on the LCD screen. Reset option for numerous measurements. Being battery powered gives the flexibility of placing the monitor in any location of the building, in order to get a better overview of the radon level in a home, workplace, school or kindergarten. If doing measures to reduce the radon level, one can quickly see the effect by reading the short term average.

TECHNOLOGY

Canary is a device for measuring and monitoring radon gas levels in indoor air. Canary samples the indoor air through a passive diffusion chamber, and uses alpha spectrometry to precisely calculate the radon level. Detection is done using silicon photo-diodes, both to count and to measure the energy of alpha particles resulting from the decay chain of radon gas.

The Canary is calibrated towards reference instruments in accredited laboratories.

Press RESET button for starting new measurements. Press MODE button for showing exposure time in days.

Battery lifetime under normal operations is approximately 3 years.

LCD display

- Long-term average for the last 12 months since RESET
- Short-term averages: last day and last 7 days
- Exposure time

SPECIFICATION

Dimensions: 120mm × 69mm × 22.5mm

Weight: 130 grams (incl. batteries)

Power consumption: < 250µW

Radon Sampling: Passive diffusion chamber

Method: Alpha spectrometry

Accuracy: ± 5% ± 5Bq/m³

Battery powered: 3 × AAA Alkaline batteries (LR03), battery lifetime 3 years

Precision (at 100 Bq/m³):

- Short-term 7 days average: 20%
- Long-term average: 10% after one-month exposure