



# ALPHAGUARD

Your Radon lab everywhere



- All-in-one solution featuring a large digital display
- High sensitivity, strong reliability
- Up-to-date connectivity
- Suitable for any Radon measurement task

# ALPHAGUARD



## The reference instrument in Radon monitoring

The new generation of AlphaGUARD offers **high detection efficiency in Radon monitoring**, a wide measurement range (2 – 2 000 000 Bq/m<sup>3</sup>), **fast response** and permanent, maintenance-free operation with **long-term stable calibration**.

In addition to the Radon concentration, AlphaGUARD simultaneously measures and records ambient temperature, relative humidity and atmospheric pressure with embedded sensors.

Optimal ergonomics, high responsiveness and a large digital display make AlphaGUARD a **reference device to perform measurement and analysis everywhere from a lab to the field**.

## Applications



Research & Specific applications, calibration labs



Nuclear & NORM industries (mining, nuclear waste, oil & gas industry...).



Monitoring Radon in homes & workplaces

## Radon monitoring for all purposes



### Soil measurement

Emanations from the underground are measured with the gas soil probe



### Water measurement

Radon gas in water is controlled with AquaKIT



### Radon progenies

Radon progeny concentration is measured with AlphaPM



### Air measurement

Thoron gas discrimination and measurement mode available



## Technical features

**TYPE OF DETECTOR**  
Ionization chamber

**MEASUREMENT PRINCIPLE**  
3D Alpha spectroscopy and current mode

**MEASUREMENT MODES\***  
Diffusion, flow or sampling

**MEASURING RANGE\***  
From 2 to 2.000.000 Bq/m<sup>3</sup>  
(from 0.027 pCi/l to 54 nCi/l)

**ADDITIONAL SENSORS**  
T, P, H, Reloc, QA, ext. sensors

**DISPLAY**  
Graphic display, backlight

**AUTONOMY**  
> 10 days (diffusion mode)

**DIMENSIONS / WEIGHT**  
360 x 335 x 123 mm, < 7 kg

\* According to the product version

## Radon monitoring range

Discover other products of Bertin Instruments



Ultra-small continuous radon monitor

## Calibration facilities



In combination with the radon chamber, AlphaGUARD allows the measurement of Radon in material and the calibration of any other Radon instruments