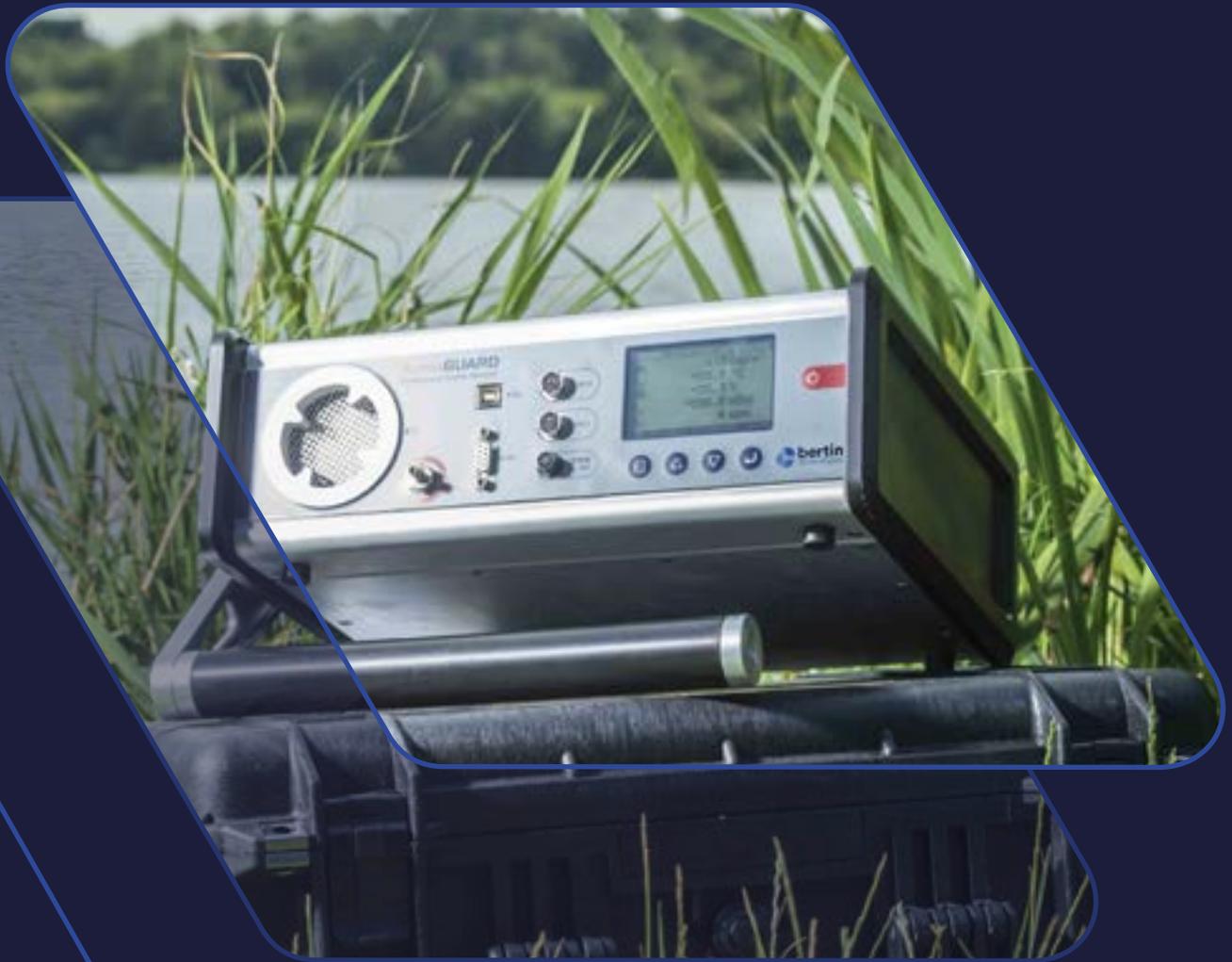


# AlphaGUARD



## 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.

### Radon monitoring for all purposes



#### Soil measurement

Emanations from the underground are measured with the gas soil probe



#### Radon progenies

Radon progeny concentration is measured with AlphaPM



#### Water measurement

Radon gas in water is controlled with AquaKIT



#### Air measurement

Thoron gas discrimination and measurement mode available

### Calibration facilities



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

### Applications



Research & Specific applications, calibration labs



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



Monitoring Radon in homes & workplaces

### 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
Sensitivity	1 cpm at 20 Bq/m <sup>3</sup> (or at 0.55 pCi/L)
Display	Graphic display, backlight
Autonomy	> 10 days (diffusion mode)
Dimensions / Weight	360 x 335 x 123 mm, < 7 kg

\* According to the product version