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

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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^3), fast response and permanent, maintenance-free operation with long-term stable calibration.

In addition to the Radon concentration, AlphaGUARD simultaneously measures and records ambiant 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



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

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^3 (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^3 (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

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