AlphaE



Professional meter for Radon concentration

- Suitable for indoor & outdoor air measurement, personal Radon exposure & radiation dose
- Ultra-small & lightweight
- Simultaneous recording of air temperature, humidity & pressure

bertin instruments

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ALPHAE

ULTRA-SMALL CONTINUOUS RADON MONITOR

AlphaE is a versatile device for fast monitoring of Radon concentration in indoor & outdoor air. Being small & lightweight, it can also perfectly be used to measure personal radon exposure & to manage radiation dose.
AlphaE is able to deliver precise & reliable measurement results after only 2 hours (faster response time with higher radon levels). Low radon levels below 100 Bq/m^3 (2.7 pCi/l) can be measured as specified by the latest World Health Organization (WHO) recommendations (12% uncertainty at 1 sigma/24 hours).

Thanks to its 6-month battery life, long-term measurements can be performed without mains power supply. Permanent operations via mains power supply are also possible via USB port.
In addition to radon concentration, air temperature, pressure & humidity, along with signals from the built-in tamper detection capability are simultaneously recorded, having their own respective time stamps.

A multipurpose radon device



Indoor activities

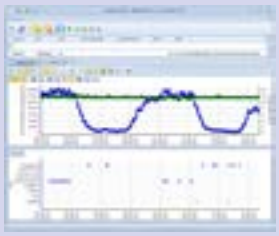
AlphaE is well designed for the measurement of low radon concentrations in buildings (private houses, workplaces...)



Outdoor activities

With its large temperature & humidity range, AlphaE is suitable for underground activities in harsh environment.

Easy data analysis



DataVIEW Software

The user-friendly software for AlphaE data analysis!
PRO version available with additional features for professional applications.

Technical features

Detection principle	Diffusion chamber with silicon diode
Measurement range	From 20 Bq/m^3 to 10 MBq/m^3 (from 0,54 pCi/l to 270 nCi/l)
Sensitivity	3 cph. at 100 Bq/m^3 (2,7 pCi/l)
Dose range	From 0 to 1 Sv. (from 0 to 10 rem.)
Display	6 digit LCD + 5 digit AN, backlight
Additional sensors	• Air temperature • Air pressure • Air humidity • Motion
Autonomy	Up to 6 months (USB rechargeable)
Dimensions	111 mm x 78 mm x 36 mm
Weight	213 g.

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