

# 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



# ALPHA E

## 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<sup>3</sup> (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

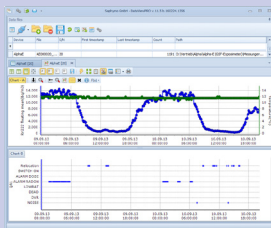
AlphaE is well designed for the measurement of low radon concentrations in buildings (private houses, workplaces...)



#### 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

|                            |   |
|----------------------------|---|
| <b>Detection principle</b> | Diffusion chamber with silicon diode  |
| <b>Measurement range</b>   | From 20 Bq/m <sup>3</sup> to 10 MBq/m <sup>3</sup><br>(from 0,54 pCi/l to 270 nCi/l)  |
| <b>Sensitivity</b>         | 3 cph. at 100 Bq/m <sup>3</sup> (2,7 pCi/l)   |
| <b>Dose range</b>          | From 0 to 1 Sv.<br>(from 0 to 10 rem.)  |
| <b>Display</b>             | 6 digit LCD + 5 digit AN, backlight   |
| <b>Additional sensors</b>  | <ul style="list-style-type: none"> <li>• Air temperature</li> <li>• Air pressure</li> <li>• Air humidity</li> <li>• Motion</li> </ul> |
| <b>Autonomy</b>            | Up to 6 months<br>(USB rechargeable)  |
| <b>Dimensions</b>          | 111 mm x 78 mm x 36 mm  |
| <b>Weight</b>              | 213 g.  |