

# ALPHA E



## 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



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# ALPHA E

## Ultra-small continuous Radon monitor

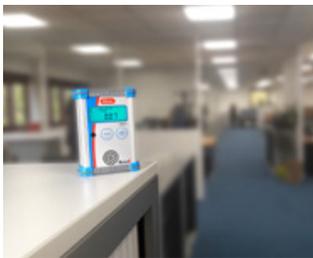
AlphaE is a versatile device for **fast monitoring of Radon concentration in indoor & outdoor air**. Being small & lightweight, it can also perfectly be used to measure personal radon exposure & to manage radiation dose.

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.

#### Accessories available:

Wall support, belt pouch, suitcase or dust protection bag.

## Radon monitoring range

Discover other products of Bertin Instruments

### ALPHA GUARD



The reference in Radon measurement worldwide

## 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<sup>3</sup> to 10 MBq/m<sup>3</sup> (from 0,54 pCi/l to 270 nCi/l)

#### SENSITIVITY

3 cph. at 100 Bq/m<sup>3</sup> (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.

With the expertise of **SAPHYMO**