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

bertin INSTRUMENTS

MONITOR THE INVISIBLE

CNIM

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/m³), **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.**

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

Water measurement
Radon gas in water is controlled with AquaKIT

Radon progenies
Radon progeny concentration is measured with AlphaPM

Air measurement
Thoron gas discrimination and measurement mode available

Radon monitoring range

Discover other products of Bertin Instruments

Ultra-small continuous radon monitor

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/m³
(from 0.027 pCi/l to 54 nCi/l)

ADDITIONAL SENSORS
T, P, H, Reloc, QA, ext. sensors

DISPLAY
Graphic display, backlight

AUTONOMY
> 10 days (diffusion mode)

DIMENSIONS / WEIGHT
360 x 335 x 123 mm, < 7 kg

* According to the product version