BERTIN

Bertin AlphaGUARD

Radon monitor using alpha spectroscopy

Bertin AlphaGUARD – radon monitor using alpha spectroscopy from Bertin Technologies. Weight including battery: 6.2 kg.



Weight including battery
.2 kg [1]

Specifications

DETECTOR

Chamber volume	0.62 L	[1]

MEASURING RANGE

Radon range	2–2,000,000 Bq/m³ (depending on product version)	[2]
Detector sensitivity	5 cpm at 100 Bq/m³	[1]

COOLING

Storage capacity	Up to 60,000 measurement points	[1]

POWER & BATTERY

Autonomy	10 days in diffusion mode; 40 days with external battery	[1]

MECHANICAL

Listed dimensions	329 × 355 × 123 mm	[1]

ENVIRONMENT & RATINGS

Additional sensors	Temperature, relative humidity and atmospheric pressure	[1]

ORDERING & ACCESSORIES

Weight including battery	6.2 kg	[1]

GENERAL

Measurement purpose	Continuous radon measurement with a pulse-counting ionization chamber	[1]
Measurement principle	3D alpha spectroscopy and current mode	[1]
Listed calibration error	3 %	[1]
Data management	DataVIEW	[1]

Sources

[1] AlphaGUARD – Radon monitor
Bertin Technologies · product-page · Technology tab; Datasheet tab (specifications); Product description · checked 2026-10-16
https://www.bertin-technologies.com/product/radon-professional-monitoring/radon-alphaguard/

[2] AlphaGUARD – Your Radon lab everywhere (brochure, May 2023)
Bertin Technologies · brochure · p. 2, 'Technical features' · checked 2026-10-16
https://www.bertin-technologies.com/wp-content/uploads/2016/09/Brochure_AlphaGUARD_EN-mai2023-web.pdf

Every value is taken from the manufacturer’s own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer’s published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.