BERTIN

Alpha S

Portable radon monitor for air, soil and water

Portable and versatile radon monitor for fast and reliable measurements, aimed at radon mitigators and consultants. It is based on Bertin's pulse ionisation chamber and is used for short checks and long-term monitoring at workplaces and in homes; with accessories it measures radon in soil and water and can trace radon entry points in buildings.



Detector type	Measurement range	Weight
Pulse ionisation chamber, 0.2 L [1]	**Up to 200,000 Bq/m³ (5.4 nCi/L)** [1]	**<5.7 kg** [1]

Specifications

DETECTOR

Detector type	Pulse ionisation chamber, 0.2 L	[1]
Additional sensors	T, P, H, Reloc, QA	[1]

MEASURING RANGE

Measurement range	Up to 200,000 Bq/m³ (5.4 nCi/L)	[1]
Detector sensitivity	1 cpm at 60 Bq/m³ (1.65 pCi/L)	[1]

CONNECTIVITY & INTERFACE

Display	Graphic display with backlight	[1]
Communication	LAN and Wi-Fi with integrated web server; direct wireless connection to smartphones or tablets	[1]

POWER & BATTERY

Battery life	Up to 2.5 days	[1]

MECHANICAL

Dimensions	300 × 249 × 196 mm	[1]
Weight	<5.7 kg	[1]
Housing material	PeliCase	[1]

ORDERING & ACCESSORIES

Accessories	Soil gas probe for radon in soil (optional transport box, plastic hammer and pulling device; differential pressure sensor for soil permeability) and Aqua Kit with degassing module for water samples	[1]

GENERAL

Measurement modes	Diffusion, flow or sampling	[1]

Sources

[1] **Alpha S**
Bertin Technologies · product-page · Product page; Datasheet tab; Product page – Datasheet tab; Product page · checked 2026-10-16
https://www.bertin-technologies.com/product/radon-professional-monitoring/alphas/

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.