BERTIN

SaphyRAD S

Dose rate & contamination

Multi-probe survey meter for dose-rate, dose and contamination measurement, developed for the nuclear and security markets. Rugged IP65 housing, integrated GPS and a large colour display – designed for use with CBRN protective clothing.



Energy range	IP rating	Weight
50 keV–3 MeV [1]	**IP65** [1]	**620 g** [1]

Specifications

DETECTOR

Radiation	α, β, γ and X	[1]
External probes	A/B100, A/B170, AB16, G10, GSP145	[1]
Detector	Two built-in gamma dose and dose-rate detectors; external probes for α, β, γ and X-rays	[1]

MEASURING RANGE

Dose-rate range	0.05 µGy/h–10 Gy/h	[1]
Energy range	50 keV–3 MeV	[1]

POWER & BATTERY

Battery life	Up to 34 h	[1]
Power supply	4 rechargeable AA NiMH batteries	[1]

MECHANICAL

Dimensions	194 × 115 × 51 mm	[1]
Weight	620 g	[1]

ENVIRONMENT & RATINGS

IP rating	IP65	[1]
perating temperature	–20 to +50 °C	[1]

GENERAL

Measurement functions	Dose, dose rate and contamination	[1]
Alarm	Red LED, adjustable buzzer and vibration	[1]

Sources

[1] SaphyRAD S – Multi-probe survey meter
Bertin Technologies · product-page · Specifications; Specifications / description; Product page – Technology · checked 2026-10-16
https://www.bertin-technologies.com/product/survey-meters/saphyrad-s/

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.