BERTIN

Saphydose Gamma i

Personal dosimeter

An electronic dosimeter for real-time personal dose measurement from X-rays and gamma radiation.



Detector type	Energy range	Weight
2 energy-compensated silicon diodes [1]	**50 keV–7 MeV** [1]	**145 g** [1]

Specifications

DETECTOR

Radiation	X-ray and gamma	[1]
Detector type	2 energy-compensated silicon diodes	[1]

MEASURING RANGE

Dose-rate range	0.5 µSv/h–5 Sv/h	[1]
Energy range	50 keV–7 MeV	[1]

CONNECTIVITY & INTERFACE

Data storage	Dose and dose-rate history	[1]

POWER & BATTERY

Battery life	Up to 8,000 h with 2 batteries	[1]

MECHANICAL

Weight	145 g	[1]

ENVIRONMENT & RATINGS

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

GENERAL

Measured quantity	Personal dose equivalent Hp(10)	[1]
Alarm	Audible and visual	[1]
Standard	IEC 61526	[1]

Sources

[1] Saphydose gamma i
Bertin Technologies · product-page · Datasheet tab (specifications); Product description; Technology tab · checked 2026-10-16
https://www.bertin-technologies.com/product/dosimetry/saphydose-gamma-i/

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.