BERTIN

SpectroTRACER

Spectrometric environmental probe

A system for continuous nuclide-specific detection of gamma activity in air, soil or water.



Detector options	Energy range	Spectrum channels
LaBr₃: 1.5″×1.5″ or 1″×1″; NaI(Tl): 3″×3″ or 2″×2″; CeBr₃: 1.5″×1.5″ [1]	**30 keV–2 MeV or 30 keV–3 MeV, configurable** [1]	**,192** [1]

Specifications

MEASURING RANGE

Energy range	30 keV–2 MeV or 30 keV–3 MeV, configurable	[1]
Spectroscopic dose-rate range	1 nSv/h–3 mSv/h, crystal dependent	[1]

ELECTRONICS & SIGNAL

Spectrum channels	8,192	[1]

CONNECTIVITY & INTERFACE

Data storage	2 GB	[1]
Communication	Cellular, ShortLINK, satellite, Wi-Fi, Ethernet/DSL; ANSI N42.42	[1]

ENVIRONMENT & RATINGS

perating temperature	–20 to +50 °C; optional –30 to +60 °C	[1]
IP rating	Probe: IP68; battery backup enclosure: IP65	[1]

ORDERING & ACCESSORIES

Detector options	LaBr₃: 1.5″×1.5″ or 1″×1″; NaI(Tl): 3″×3″ or 2″×2″; CeBr₃: 1.5″×1.5″	[1]
Optional GM dose-rate range	Up to 1 Sv/h; extended to 10 Sv/h	[1]

GENERAL

Measurement medium	Air/Soil: air/soil; Aqua: water	[1]
Measurement functions	Nuclide-specific gamma spectrometry and H*(10) dose rate	[1]
Measurement cycle	2 min–24 h; 2 configurable cycles	[1]

Sources

[1] SpectroTRACER – Spectrometric probe
Bertin Technologies · product-page · product page; product page – technical specifications · checked 2026-10-16
https://www.bertin-technologies.com/product/environmental-radiation-monitoring/spectrotracer-air-soil-water/

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.