ELSE NUCLEAR

# B-RAD

## Gamma spectrometry meter

A handheld instrument for gamma dose-rate and spectrometry measurements, designed to operate in strong magnetic fields.



| Detector type | Energy range | Energy resolution |
|---|---|---|
| .6 × 0.6 inch $LaBr_3(Ce^{3+})$, SiPM [1] | 30 keV–2 MeV [1] | .3% FWHM at 662 keV [1] |

## Specifications

| | | |
|---|---|---|
| **DETECTOR** | | |
| Detector type | 0.6 × 0.6 inch $LaBr_3(Ce^{3+})$, SiPM | [1] |
| **PERFORMANCE** | | |
| Energy resolution | 3.3% FWHM at 662 keV | [1] |
| **MEASURING RANGE** | | |
| Energy range | 30 keV–2 MeV | [1] |
| Dose-rate range | 100 nSv/h to over 20 mSv/h | [1] |
| Dose-rate response | 90 cps/(µSv/h) | [1] |
| **POWER & BATTERY** | | |
| Battery life | Up to 12 h in power-save mode | [1] |
| **MECHANICAL** | | |
| Main unit dimensions | 156 × 191 × 92 mm | [1] |
| Probe dimensions | 180 mm length × 50 mm diameter | [1] |
| Weight | 2.3 kg | [1] |
| **ENVIRONMENT & RATINGS** | | |
| perating temperature | 0–40 °C | [1] |
| **GENERAL** | | |
| Measurement functions | Gamma dose rate, gamma spectrometry and nuclide identification | [1] |
| Magnetic field | Up to 3 T | [1] |

## Sources

**[1] B-RAD – Hand-held gamma spectrometer and dose rate meter (datasheet)**
ELSE NUCLEAR · datasheet · p. 1; p. 2 · checked 2026-10-16
https://www.elsenuclear.com/wp-content/uploads/2025/12/DAT_BRAD_EN_1.10.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.