ELSE NUCLEAR

HERMES GSU

Portable gamma spectrometry

A field-deployable system for rapid gamma-spectrometric analysis of environmental samples.



Detector type	Energy range	Typical energy resolution, Cs-137
2 × 2 inch NaI(Tl), SiPM [1]	**30 keV–3 MeV** [2]	**Below 7.5%** [2]

Specifications

DETECTOR		
Detector type	2 × 2 inch NaI(Tl), SiPM	[1]
Sample geometry	500 ml Marinelli	[2]
PERFORMANCE		
Typical energy resolution, Cs-137	Below 7.5%	[2]
MEASURING RANGE		
Energy range	30 keV–3 MeV	[2]
Maximum activity concentration	Up to 1 MBq/kg	[1]
ELECTRONICS & SIGNAL		
Spectrum channels	2048	[2]
SOFTWARE & DATA		
Nuclide library	More than 30 isotopes; editable	[2]
MECHANICAL		
verall dimensions	51.8 × 30.5 × 44.5 cm	[2]
Total weight	Less than 22 kg	[2]
ENVIRONMENT & RATINGS		
Detector operating temperature	–20 to +50 °C	[2]
IP rating	IP67 during transport with closed lid; IP65 in operating setup	[2]
GENERAL		
Lead shielding	10 mm	[2]

Sources

[1] HERMES GSU
ELSE NUCLEAR · product-page · product page · checked 2026-10-16
https://www.elsenuclear.com/portfolio/hermes-gsu/

[2] HERMES GSU – Portable sample analyser and gamma spectrometer (datasheet)
ELSE NUCLEAR · datasheet · p. 2; p. 1; p. 1–2 · checked 2026-10-16
https://www.elsenuclear.com/wp-content/uploads/2026/06/DAT_HERMES-GSU_EN_1.01.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.