ELSE NUCLEAR

EASYSCAN

Mobile drum assay system

A mobile system for fast gamma-spectrometric analysis of radioactive material in drums when HPGe resolution is not required.



Detector type
3 × 3 inch NaI(Tl), PMT and compact MCA [2]

Energy resolution
Below 7.5% for Cs-137 [2]

Specifications

DETECTOR

Detector type	3 × 3 inch NaI(Tl), PMT and compact MCA	[2]
Detector count	4 in a vertical array	[2]
Drum geometries	220, 300 and 400 L and larger drums	[2]
Detector positioning	Independent manual height adjustment	[1]

PERFORMANCE

Energy resolution	Below 7.5% for Cs-137	[2]
Efficiency calibration	Monte Carlo characterization, customizable response functions	[1]

SOFTWARE & DATA

Software	Geometry database, clearance limits and customizable reports	[2]

POWER & BATTERY

Power-failure backup	Battery backup for detector electronics	[2]

GENERAL

Measurement method	Gamma spectrometry of radioactive material in drums	[1]
Lead shielding and collimator	20 mm per detector	[2]
MDA example, Co-60	0.05 Bq/g in 15 min; 220 L drum, density 0.2 g/cm³	[2]
Result unit	Bq/g	[2]

Sources

[1] EASYSCAN
ELSE NUCLEAR · product-page · product page · checked 2026-10-16
https://www.elsenuclear.com/portfolio/easyscan/

[2] **EASYSCAN – Spectrometric mobile station for characterization of radioactive drums (datasheet)**
ELSE NUCLEAR · datasheet · p. 2; p. 1 · checked 2026-10-16
https://www.elsenuclear.com/wp-content/uploads/2025/05/DAT_EASYSCAN_EN_1.02.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.