ELSE NUCLEAR

VEBOS helkroppsräknare

In-vivo counting system

A whole-body system for in-vivo measurement of radioactivity in people.



Detector options
HPGe or NaI(Tl), according to selected configuration [1]

Total weight
Approximately 1000 kg [1]

Specifications

DETECTOR

Detector count	2	[2]

PERFORMANCE

Relative efficiency	HPGe: ≥25%	[1]
Energy resolution at 122 keV	HPGe: 0.82 keV	[1]
Energy resolution at 1.33 MeV	HPGe: 1.85 keV	[1]
Peak-to-Compton ratio	HPGe: 56:1	[1]

MEASURING RANGE

Energy range	40 keV–10 MeV	[1]

MECHANICAL

Overall dimensions (W × H × D)	2000 × 2720 × 1800 mm	[1]
Total weight	Approximately 1000 kg	[1]

ORDERING & ACCESSORIES

Detector options	HPGe or NaI(Tl), according to selected configuration	[1]

GENERAL

Measurement functions	Whole-body counting and in-vivo measurement	[1]
Lead shielding and collimator	50 mm	[1]
Full-body scanning	6-step segmented scan	[1]
Other measurement modes	Fixed position, lung/thyroid and sample measurement	[1]
Calculated results	Total body contamination in Bq and committed effective dose in Sv	[2]
Operator system	Built-in panel PC with measurement control and result archive	[2]

Safety functions	Presence platform, door interlocks and handle enabling buttons	[2]

Sources

[1] **VEBOS – Whole body in-vivo counting system (datasheet)**
ELSE NUCLEAR · datasheet · p. 1; p. 2; p. 2, Technical Specifications – Detection unit · checked 2026-10-16
https://www.elsenuclear.com/wp-content/uploads/2025/05/DAT_VEBOS_EN_1.00.pdf

[2] **VEBOS**
ELSE NUCLEAR · product-page · product page · checked 2026-10-16
https://www.elsenuclear.com/portfolio/vebos/

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.