ELSE NUCLEAR

THYMON

Emergency screening

Portable thyroid monitor for emergency use – fast, reliable measurement of I-131 in the thyroid with a collimated NaI(Tl) detector. Compliant with IEC 61582.



Detector type	Total weight	IP rating
.5 × 1.5 inch collimated NaI(Tl) [1]	**Approximately 19 kg** [1]	**IP67 during transport with closed lid; IP65 in operating setup** [1]

Specifications

DETECTOR

Detector type	1.5 × 1.5 inch collimated NaI(Tl)	[1]
Target radionuclide	I-131 in the thyroid	[1]

ELECTRONICS & SIGNAL

Signal processing	SiPM matrix and compact MCA	[1]

MECHANICAL

Detector probe weight	3.5 kg	[1]
Total weight	Approximately 19 kg	[1]
Transport case dimensions	62.8 × 49.2 × 22.3 cm	[1]

ENVIRONMENT & RATINGS

perating temperature	–20 to +50 °C	[1]
IP rating	IP67 during transport with closed lid; IP65 in operating setup	[1]

GENERAL

Lead collimator	15 mm	[1]
MDA, typical in 2-minute screening	90–120 Bq	[1]
Maximum measurable activity	ver 3 MBq	[1]
Standard	Compliant with IEC 61582	[1]

Sources

[1] THYMON – Portable thyroid monitor for emergency use (datasheet, rev 2, Nov 2025)
ELSE NUCLEAR · datasheet · p. 1; p. 2 · checked 2026-10-16
https://www.elsenuclear.com/wp-content/uploads/2025/11/DAT_THYMON_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.