ELSE NUCLEAR

BOX COUNTER

Object contamination counter

A shielded measurement chamber for fast gamma checks of laundry, waste bags, tools and small objects.



Detector configurations
2U/4U/6U: 2/4/6 plastic scintillators; 6U NORM: 5 plastic scintillators and 1 NaI(Tl) detector (2 × 2 inch) with MCA [1]

Energy range
35 keV–2 MeV [1]

Weight, 6U version
Approximately 700 kg [1]

Specifications

MEASURING RANGE

Energy range	35 keV–2 MeV	[1]

CONNECTIVITY & INTERFACE

Communication	Ethernet for data export	[2]

MECHANICAL

Plastic scintillator dimensions	50 × 50 × 5 cm	[1]
Measurement chamber internal dimensions	70 × 70 × 83 cm	[2]
verall dimensions	98 × 98 × 181 cm	[1]
Weight, 6U version	Approximately 700 kg	[1]
Sample weighing	Digital scale	[2]

ENVIRONMENT & RATINGS

perating temperature	0–50 °C	[1]
IP rating	IP55	[1]

ORDERING & ACCESSORIES

Detector configurations	2U/4U/6U: 2/4/6 plastic scintillators; 6U NORM: 5 plastic scintillators and 1 NaI(Tl) detector (2 × 2 inch) with MCA	[1]

GENERAL

Lead shielding	10 mm	[1]
Sample access	4 side doors	[1]

MDA	As low as 4 kBq (^{137}Cs) in 10 s	[2]

Sources

[1] BOX COUNTER – Contamination monitor for small items (datasheet)
ELSE NUCLEAR · datasheet · p. 1 – versions; p. 2; p. 1 · checked 2026-10-16
https://www.elsenuclear.com/wp-content/uploads/2025/05/DAT_BOXCOUNTER_EN_1.06.pdf

[2] BOX COUNTER
ELSE NUCLEAR · product-page · product page; Product page · checked 2026-10-16
https://www.elsenuclear.com/portfolio/box-counter/

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.