ELSE NUCLEAR

MHOS-S

Contamination monitor for hospital waste with built-in scale

Gamma monitor that measures radioactive contamination in hospital waste in small bins or bags. The measurement starts automatically when the container is placed on the scale, and weight and activity give the concentration in Bq or Bq/g. On alarm a n alarm column gives luminous and acoustic signals, and printers p roduce a green or red label for each measurement.



Detector type
One plastic scintillator 50 × 20 × 5 cm [2]

Energy range
35 keV–2 MeV [2]

Specifications

DETECTOR

Detector type	ne plastic scintillator 50 × 20 × 5 cm	[2]

MEASURING RANGE

Energy range	35 keV–2 MeV	[2]

CONNECTIVITY & INTERFACE

Display	Industrial panel PC with 10 in touch screen (typical); Ethernet to a remote PC	[2]

MECHANICAL

Dimensions	200 × 58 × 62 cm (H × W × D); two fixed and two pivoting wheels	[2]

GENERAL

Use	Measuring radioactive contamination in hospital waste in small bins or bags	[1]
Lead shielding	10 mm lead on the external sides	[2]
Detection capability	<1 Bq/g in 5 kg of material in 30 s	[1]
Scale	Digital scale, max. payload 150 kg, resolution 50 g, platform 40 × 40 cm	[2]
Results	Activity concentration in Bq or Bq/g; green or red label for each measurement; barcode/QR reader for traceability	[1]
Alarm	ALU alarm column with LED and siren: white ready, yellow measuring, green not contaminated, red alarm	[2]

Sources

[1] **MHOS-S Contamination Monitor for Hospital Waste**
ELSE NUCLEAR · product-page · Product page · checked 2026-10-16
https://www.elsenuclear.com/portfolio/mhos-s/

[2] **MHOS-S Contamination Monitor for Hospital Waste (datasheet)**
ELSE NUCLEAR · datasheet · p. 2, Technical Specifications; p. 2, Alarm column · checked 2026-10-16
https://www.elsenuclear.com/wp-content/uploads/2025/03/DAT_MHOSHWM_EN_1.07.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.