ELSE NUCLEAR

# MHOS P15

## Contamination monitoring portal

An automated portal system for gamma checks of materials passing through a transit area.



| Detector type | Energy range | Housing IP rating |
|---|---|---|
| **Plastic scintillators** [2] | **35 keV–2 MeV** [2] | **IP65** [2] |

## Specifications

### DETECTOR

| | | |
|---|---|---|
| Detector type | Plastic scintillators | [2] |
| Detector count | 2 | [2] |

### MEASURING RANGE

| | | |
|---|---|---|
| Energy range | 35 keV–2 MeV | [2] |
| Response to Cs-137 | 50 kcps/(µSv/h) per detector | [2] |

### MECHANICAL

| | | |
|---|---|---|
| Detector dimensions | 1000 × 150 × 50 mm per detector | [2] |
| Housing material | Stainless steel with plexiglass windows | [2] |

### ENVIRONMENT & RATINGS

| | | |
|---|---|---|
| Housing IP rating | IP65 | [2] |

### GENERAL

| | | |
|---|---|---|
| Measurement functions | Automatic gamma monitoring of passing hospital waste | [1] |
| False alarm rate | 1:10,000 | [2] |
| Lead shielding, external sides | 10 mm | [2] |
| Alarm | Audible and visual; threshold set in cps or sigma | [2] |
| perator system | Panel PC with archiving and printing | [2] |

## Sources

[1] MHOS P15
ELSE NUCLEAR · product-page · product page · checked 2026-10-16
https://www.elsenuclear.com/portfolio/mhos-p15/

**[2] MHOS P15 – Radiation portal monitor for hospital waste (datasheet)**
ELSE NUCLEAR · datasheet · p. 2; p. 2 – Detector units; p. 1 · checked 2026-10-16
https://www.elsenuclear.com/wp-content/uploads/2025/05/DAT_MHOSHWMP15_EN_1.05.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.