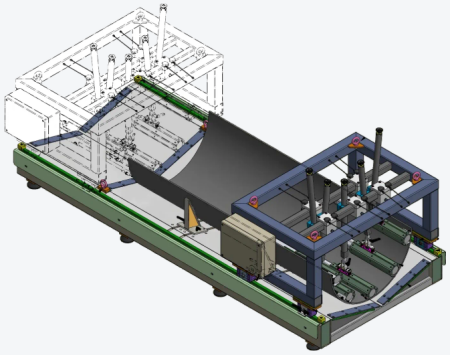
ELSE NUCLEAR

PIPE SCANNER LITE

Surface contamination monitor for pipe sections

Monitor for measuring surface contamination on pipe sections from, among others, nuclear power plant decommissioning and the oil and gas industry, on both internal and external surfaces. Up to five shielded NaI(Tl) detectors sit on a hand-moved cart along a base with a V platform and can be adjusted individually in height and orientation to the pipe geometry.



Detector type
Up to five NaI(Tl) scintillators 51 × 406 mm with PMT or SiPM; MCA with 1024–2048 channels [2]

Energy range
40 keV–2 MeV [2]

Total weight
About 700 kg [2]

Specifications

DETECTOR

Detector type	Up to five NaI(Tl) scintillators 51 × 406 mm with PMT or SiPM; MCA with 1024–2048 channels	[2]

PERFORMANCE

Energy resolution at 662 keV	<8% FWHM (^{137}Cs)	[2]
Gain stability	<1.5% over 24 h at 20 °C	[2]

MEASURING RANGE

Energy range	40 keV–2 MeV	[2]

SOFTWARE & DATA

Software	Password-protected settings for quality control, field calibration, homogeneous groups, scale and release factors; archive of control reports, calibrations and release reports	[2]

CONNECTIVITY & INTERFACE

Communication	RS-485 between electronics and PC	[2]

MECHANICAL

Maximum pipe size	2 m long, 4 to 31 in diameter	[1]
Dimensions	120 × 300 × 135 cm	[2]
Total weight	About 700 kg	[2]

ENVIRONMENT & RATINGS

perating temperature	–20 to +65 °C	[2]
IP rating	IP55	[2]

GENERAL

Use	Surface contamination on pipe sections from e.g. nuclear power plant decommissioning and the oil and gas industry; scans both internal and external surfaces	[1]
Lead shielding	10 mm	[2]
MDA	<0.1 Bq/cm² for ^{60}Co and ^{137}Cs in 30 s	[2]
Construction	Base with V platform and adjustable runners; hand-moved cart carrying the detectors; one detector for small pipes up to five for large ones	[1]

Sources

[1] **PIPE SCANNER LITE Surface Contamination Monitor for Pipes**
ELSE NUCLEAR · product-page · Product page · checked 2026-10-16
https://www.elsenuclear.com/portfolio/pipe-scanner-lite/

[2] **PIPE SCANNER LITE Surface Contamination Monitor for Pipes (datasheet)**
ELSE NUCLEAR · datasheet · p. 2, Technical Specifications; p. 2, Control software · checked 2026-10-16
https://www.elsenuclear.com/wp-content/uploads/2025/05/DAT_PIPESCANNERLITE_EN_1.03.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.