ELSE NUCLEAR

GALILEO 9900P

Continuous gamma monitoring of materials on conveyors

System for continuous gamma monitoring of moving materials, for example on conveyors, with a large plastic scintillator. It is used mainly for scrap metal, steel plates and foundry dust but suits any application where moving material must be monitored. The stainless-steel detector box is mounted above or under the conveyor and managed from a panel PC.



Detector type
Plastic scintillator with PMT, sensitive volume 25 L, 1000 × 500 × 50 mm [2]

Weight
Detector housing 171 kg [2]

Specifications

DETECTOR

Detector type	Plastic scintillator with PMT, sensitive volume 25 L, 1000 × 500 × 50 mm	[2]

CONNECTIVITY & INTERFACE

Communication	RS485	[2]

MECHANICAL

Dimensions	Detector housing 600 × 1480 × 220 mm, 3 mm stainless steel	[2]
Weight	Detector housing 171 kg	[2]

ORDERING & ACCESSORIES

Accessories	ALU alarm unit and warranty extension (24 months) on request	[2]

GENERAL

Use	Continuous gamma monitoring of moving materials, e.g. on conveyors: mainly scrap metal, steel plates and foundry dust	[1]
Lead shielding	Lead 10 mm on the sides not facing the material	[2]
Measurement technique	Continuous measurement with a moving average over a preset integration time; background determined automatically or set as a fixed value and subtracted	[1]
Alarm	Luminous and acoustic warnings when the alarm threshold is exceeded; results archived with printable reports	[1]
Control	Counter module and software on a panel PC in a wall-mounted box	[1]

Sources

[1] **GALILEO 9900P Continuous Gamma Monitor of Moving Materials**
ELSE NUCLEAR · product-page · Product page · checked 2026-10-16
https://www.elsenuclear.com/portfolio/galileo-9900p/

[2] GALILEO 9900P Continuous Gamma Monitor of Moving Materials (datasheet)
ELSE NUCLEAR · datasheet · p. 2; p. 2, Technical Specifications; p. 2, Technical Specifications; p. 2, Accessories · checked 2026-10-16
https://www.elsenuclear.com/wp-content/uploads/2025/05/DAT_GALILEO9900P_EN_1.04.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.