



NUVIA
INSTRUMENTS
Der neue Name von:
SEAMED

SCINTO

PORTABLE RADIATION SURVEY METER WITH
SCINTILLATION DETECTOR (NaI)



SCINTO

The illegal trade with radioactive material requires increased security measures at borders, airports, international ports and all security areas in order to detect radioactive sources in a reliable way and protect people for danger. For this kind of security checks it is evident to become a quick result. With its NaI-scintillation detector, the SCINTO belongs to the fastest and most sensitive dose rate meters, being 500 - 1000 times as sensitive as a conventional Geiger-Müller counter tube. This makes it possible to use the SCINTO for reliable measurement and radiation detection in a range starting from natural background level.

ADVANTAGES

- detection at 25 keV
- immediate readiness for operation (<4s) between -20° C and + 50° C
- batteries or rechargeable batteries can be used
- ratemeter or dose-rate-mode possible
- interface for external probes
- operating time of SCINTO with new batteries approx. 30 hours

HIGHLIGHTS

intuitive handling

highly sensitive

three different detector sizes

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FIELDS OF APPLICATION

- to check people or transports, vehicles or goods for the presence of radioactivity,
 - ✓ e.g. for customs check or general security purposes
- to locate and segregate very precisely radioactive material or radioactive sources in a truckload or a railcar after an alarm was generated by a stationary system
- to check safe deposit boxes in banks
- to check non-identified baggage,
 - ✓ e.g. before opening
- for checking in the recycling fields

TECHNICAL DATA

- Radiation type: X-ray and γ -radiation from 25 keV - 1.3 MeV
- Detector: high-sensitive NaI scintillation detector
- Version A: 1 x 1,5" NaI-Detector
- Measuring Range: 40 nSv/h - 500 μ Sv/h
- Version B: 1,5 x 2" NaI-Detector
- Measuring Range: 40 nSv/h - 200 μ Sv/h
- Version C: 1,5 x 3" NaI-Detector
- Measuring Range: 40 nSv/h - 150 μ Sv/h
- Alarm Threshold: 3 definable alarm thresholds, optical and acoustic alarm
- Data Storage: memory for 750 data records
- Electronics: μ -controller-based measuring electronics with intelligent battery charge electronics
- Interfaces: RS 232 for PC-system
Connection socket for external probes, e.g. GM-tubes or contamination probes
connection socket for charging adapter
BT-module for wireless data transmission
- LC-Display: graphic-LC-display (128 x 64 pixels), illuminated
digital measuring value display of count rate (cps) or dose rate (nSv/h, μ Sv/h or mSv/h)
- Keyboard: 5 function keys, functions depending on menu (explained on LC-display)
- Housing: ergonomically shaped plastic housing(PA6)
- Temperature: -20° C till + 50° C
- Power supply: 2 batteries or rechargeable batteries type AA, Mignon 1.5 V
- Dimensions: approx. 300 x 120 x 135 mm (L x W x H, incl. handle)
- Weight: 750-900 g
- Protection Class: IP 54

ACCESSORIES (OPTIONAL)

- transport and storage case
- nylon bag
- rechargeable batteries and charging adapter
- external GM-counter tubes for dose rate measurement
- external plastic scintillation detectors for contamination measurement
- software for read-out and further processing of stored measuring data





**NUVIA's SCINTO is also successfully used to calculate the thyroid dose in emergency centers after a nuclear accident.
Further information on request.**

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