

Portable Neutron Survey Meter

Type: NSN3

3.5
kg

Lightweight, Ideal For Daily Operations

New design and body shape for increased robustness

✓ Easy to use

- High-visibility wide-viewing-angle color LCD
- User-friendly interface

✓ Wide energy range

Sensitive to neutrons between 0.025 eV and 15 MeV

✓ Feature rich

- User-configurable alarm threshold
- Stores measurements and timestamps in memory
- Data transfer to a computer via USB connection



Lightweight and portable design



Intuitive screen



Dose rate measurement



Dose rate alarm

Specifications

Item	Specifications
Radiation measured	Neutron H*(10) (Excluding pulsed neutron)
Energy range	0.025 eV to 15 MeV
Detector	Organic mixed gas counter (containing flammable gas)
Moderator	Polyethylene
Effective measurement range	Dose rate: 1 μSv/h to 99.999 mSv/h (5 decades) Dose: 0.1 μSv to 99.999 mSv (6 decades)
Measurement accuracy	Dose rate: ±20% or less (at 10 μSv/h) Dose: ±20% or less (at 1 μSv)
Energy dependence	Complies with ICRP Pub. 74 (Response curve of H*(10)/Φ)
Angular dependence	±25% or less (0° to ±90°, ²⁵² Cf or Am-Be)
Dose rate characteristic	−17% to +25% or less (10 μSv/h reference)
Gamma-ray sensitivity	1% or less up to 10 mSv/h for ¹³⁷ Cs
Time constant switching	- Selectable (manually) between two modes: Long (L), Auto (A) - Automatic time-constant switching based on dose rate
Measurement range switching	Automatic switching (μSv/h ↔ mSv/h)
Display	Digital 5-digit display
Preset time for dose accumulation	Settable from 1 to 9,999 minutes in 1-minute steps
Power supply	Primary batteries (6 × AA alkaline batteries)
Battery life	40 hours (with LCD off)
External outputs	Serial data communication using USB port
Operating environment	Temperature: 0°C to 35°C Humidity: 35% to 90% (non-condensing)
Dimensions & Mass	Dimensions: Approx. W 165 x L 305 x H 225 mm (not including protrusions) Mass: Approx. 3.5 kg
Accessories	Instruction Manual, Test Report
Conformed Standards	IEC 61005 (2014), JIS Z 4341 (2006), CE

Safety Precautions

Be sure to read the instruction manual before operating the products in this catalog.

Request when exporting: Since this product may fall under the category of strategic materials (or services) stipulated in the Foreign Exchange and Foreign Trade Act of Japan, please check the Act to confirm if export permits are required prior to exporting.

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