

NSN3

Portable Neutron Survey Meter



*detection
monitoring
radiation*

The Fuji model NSN3 portable neutron survey meter is very lightweight and small without polyethylene moderator.

The energy response is improved using the spectrum weighting function. The NSN3 survey meter measures ambient dose equivalent and ambient dose equivalent rate of neutrons.

FEATURES

- Lightweight and portable
Weighs only 7 lbs (3kg)
- The energy response is improved using the spectrum weighting function. The NSN3 survey meter
- Measures ambient dose equivalent and ambient dose equivalent rate of neutrons.
- Ideal for a wide range of measurements
- AC power, primary and secondary cells are applicable
- Equipped with USB drive function and can display measurement values on a PC



NSN3

SPECIFICATIONS

Radiation detected	Neutron
Measurement quantity	1cm dose equivalent
Detector	Gas detector
Sensitivity	0.3 s ⁻¹ / Sv/h ±20 %, ref. ²⁵² Cf
Measurement Range	
dose rate	1 uR/Hr to 9.99 R/Hr (00.1 uSv/h to 99.99 mSv/h)
dose	1 uR/Hr to 9.99 R/Hr (0.01 uSv to 99.99 mSv)
Accuracy	
dose rate	±15 % at 10 Sv/h
dose	±25 % at 0.05 Sv
Energy range	0.025eV to 15 MeV
Energy dependency	ICRP74 compliance
Angular dependence	≤ ± 25 % (±90°from threshold)
Dose rate characteristic	≤ ± (20 +U)% (U : Uncertainty of reference source)
Gamma ray sensitivity	≤ ± 1% of indication at 1 R/Hr (10 mSv/h)
Battery life	Displays continuously 31 hours or more Displays intermittently 17 hours or more (displays 1min, during 5min.)
Response time	Less than 4sec: over 1mSv/h
Display	Organic EL triple-digit display (Dose rate, Integrating dose)
Power supply	3-way / Primary battery or secondary battery (AA type, 6 cells) AC adaptor(IN: 100 to 240V AC) (option)
Operating temperature	14°F to +113°F (-10 °C to +45 °C)
Operating humidity	35 to 90 % (non-condensing)
Size	6.46 in x11.4 in. (164 mm 289.5 mm) - without the probe
Weight	7 lbs (3 kg) approx. (including batteries)
Interface	USB
Compliance code	IEC61005(2003), JIS Z4341(2006)

Outline (unit : mm)

