

# NSN2

## Portable neutron survey meter

The Fuji model NSN2  
Portable neutron survey  
meter directly measures  
ambient dose equivalent  
 $H^*(10)$ .

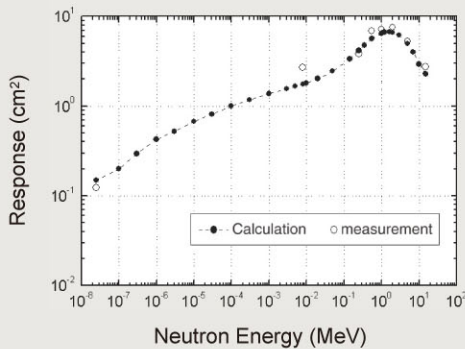
### FEATURES

- High sensitivity
- Compact and lightweight
- Audible counting beep
- Dose measurement time presettable
- Dose rate trend recording

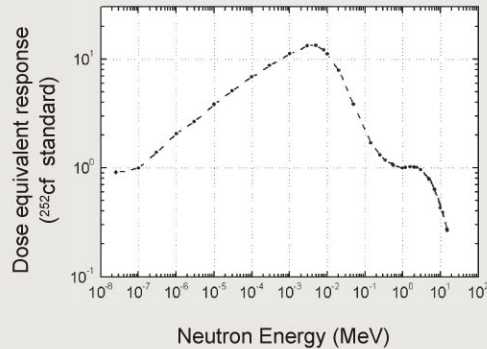


**SPECIFICATIONS**

Radiation Detected	: Neutron
Quantity Measured	: Ambient dose equivalent H*(10)
Detector	: <sup>3</sup> He proportional counter
Moderator	: Polyethylene
Sensitivity	: 4.0 s <sup>-1</sup> / μSv/h ±20 %, ref. 252Cf
Measurement Range	dose rate : 0.01 μSv/h to 9.999 mSv/h dose : 0.001 μSv to 9.999 mSv
Accuracy	dose rate : ≤ ±15 % at 1 μSv/h dose : ≤ ±25 % at 0.005 μSv
Energy Range	: 0.025 eV to 15 MeV
Energy Response	: Follows the theoretical curve (ICRP'74)
Angular Response	: ≤ ±10 % (from 0° to 135°, ref. 252Cf)
Dose Rate Linearity	: ≤ ±20 % (up to 9.999 mSv/h, ref. 10 μSv/h)
Response to Photon	: No response until 100 mSv/h
Display	: 4 digits and 12 symbols LCD
Power Supply	: 3-way AC-DC adaptor (IN: 100 - 240 V, 50/60 Hz) C-type alkaline batteries (2 cells) Ni-Cd rechargeable battery* *Ni-Cd rechargeable battery is optional.
Available Connections	: Recorder output, Counting pulse output
Operating Temperature	: -10 to +45 °C / +14 to +113 °F
Operating Humidity	: ≤ 90 %RH
Size	: Φ 210 × 320 mm / Φ 8.27 × 12.6 in.
Mass	: 7 kg / 15.4 lb approx.



(a) Fluence Response



(b) Dose equivalent Response

**Energy Response of Neutron ambient dose equivalent rate meter**

\* J.Saegusa. et. al:Nucl. Instr. and Meth. A516, 193-202 (2004)

**⚠ CAUTION**

\*Read the instruction manual provided before using this product, to make sure you operate it safely.

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