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PRO-LITE PORTABLE NEUTRON SURVEY METER

FEATURES

- LIGHTWEIGHT AND ULTRA PORTABLE ONLY 4.4 lbs INCLUDING BATTERIES
- IDEAL FOR WIDE RANGE OF MEASUREMENTS
- EQUIPPED WITH USB DRIVE FUNCTION AND CAN DISPLAY MEASUREMENT VALUES ON A PC
- OPERATION MANUAL EMBEDDED IN QR CODE ON INSTRUMENT ALLOWING FOR USER TO REFERENCE MANUAL WITH SMART PHONE.
- AC POWER, PRIMARY AND SECONDARY CELLS ARE APPLICABLE.

The RADeCO Pro-Lite (Model No. RAD-SUR-NEU) is a portable neutron survey meter that is lightweight, with a small footprint and without the polyethylene moderator. Energy response is improved using spectrum weighting. The Pro-Lite measures ambient dose equivalent and ambient dose equivalent rate of neutrons.

SPECIFICATIONS

Radiation Detected : Neutron

Measurement Quantity : 1 cm dose equivalent

Detector : Gas Detector

Sensitivity : 0.3 s-Å / $\mu\text{Sv/h}$ +/- 20% ref. Cf-252

Measurement Range : dose rate : 0.1 $\mu\text{Sv/h}$ 99.99 mSv/h

dose : 0.01 μSv to 99.99 mSv

Accuracy : dose rate : +/- 15% at 10 $\mu\text{Sv/h}$

dose : +/- 25% at 0.05 μSv

Energy range : 0.025 eV to 15 MeV

Energy dependence : ICRP74 compliance

Angular dependence : \leq +/- 25% (+/- 90° from threshold)

Dose rate characteristic : \leq +/- (20% + U)% (U : Uncertainty of reference source)

Gamma ray sensitivity : No response until 1 mSv/h

Battery life : Displays continuously 17 hours or more

Displays intermittently 31 hours or more

(Displays for 1 min for every 5 min.)

Response Time : Less than 4 sec: over 1 mSv/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 240 VAC) (Option)



Operating Temp : 14-115° F (-10 to 45° C)

Operating Humidity : 35 to 90% (non-condensing)

Size: : Φ 6.5 x 11.4 (Φ 164 without probe x 289.5mm)

Weight : 4.4 lbs, (2 kg) including batteries

Interface : USB

Compliance : IEC61005 (2003), JIS Z4341 (2006)

Manufactured by Fuji Electric Corp

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