

ELECTRONIC PERSONAL DOSIMETER



- *Ergonomic rugged design*
- *Excellent response to gamma, beta and x-ray radiation*
- *Loud, audible alarm*
- *Easy to read display*

The Electronic Personal Dosimeter combines unequalled radiological performance with advanced software and hardware features. It is suitable for use as a single stand-alone dosimeter or as part of a comprehensive dosimetry management system.

SPECIFICATIONS:

Radiation: Gamma, beta and x-ray radiation

Dimensions: 3.3" l x 2.5" w x .8" depth (85 x 63 x 19 mm), excluding clip
Direct Readout: Dose equivalents of deep dose (Hp 10) and shallow dose (Hp 0.07)

Display Resolution: 0.1 mR up to 1 R

Dose Rate Display: 0 mR/h to >400 R/h auto ranging, resolution 2 most significant digits or 0.1 mR/h deep dose (Hp 10), 1mR/h shallow dose (Hp 0.07)

Energy Response:

Deep Dose (Photon Hp 10):

- ±50% 15 keV to 17 keV (ref. ¹³⁷Cs)
- ±20% 17 keV to 1.5 MeV (ref. ¹³⁷Cs)
- ±30% 1.5 MeV to 6 MeV (ref. ¹³⁷Cs)
- ±50% 6 MeV to 10 MeV (ref. ¹³⁷Cs)

Shallow Dose (Photon Hp 0.07):

- ±30% 20 keV to 6 MeV (ref. ¹³⁷Cs)
- ±50% 6 MeV to 10 MeV (ref. ¹³⁷Cs)

Shallow Dose (Beta Hp 0.07):

- ±30% 250 keV to 1.5 MeV E (ref. ⁹⁰Sr/⁹⁰Y)

Alarm Warnings: Audible and visual alarms for dose, dose rate, count down time, read time and failure modes; high/low tone, loud/quiet volume in 7 combinations of continuous or fast/slow intermittent

Audible Alarm: Fully sealed typically 97 dB (A) at 20 cm with multiple modes

Memory: Ten-year data retention without battery; short-term dose registers for deep dose (Hp 10) and shallow dose (Hp 0.07) can be reset after each Radiation Area entry, day, month, etc. by radiation protection staff or dose management system, according to local procedures

Battery: 1.5 V AA Alkaline (typically 8 weeks continuous operation)

Operating Conditions:

Temperature: 15° F to 105° F (-10° C to + 40° C)

Relative Humidity: 20% to 90%, non-condensing

Weight: 3.2 oz (95 g)