



ED3 Real Time Extremity Dosemeter



Applications

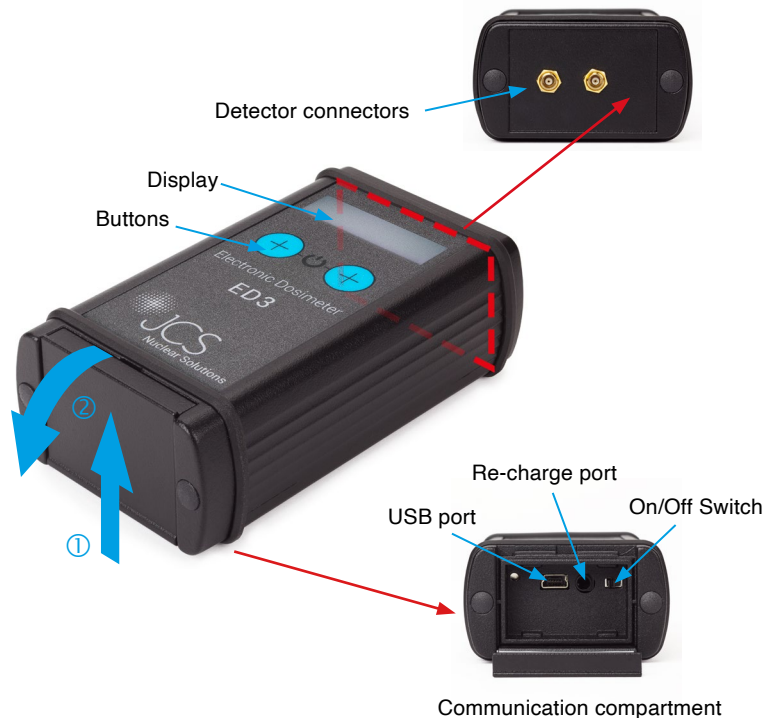
- Interventional Radiology
- Radiation therapy
- Nuclear Medicine
- Glove Box
- High Dose Gradient Environments
- X-Ray

Introducing the ED3

The monitoring of extremities is extremely important when handling radiopharmaceuticals as whole body dose badges will underestimate the real extremity dose, especially in high dose gradients. The ED3 is ideal for a range of applications including cardiology, oncology, X-ray and general glove box work.

The ED3 Active Extremity Dosimeter allows for simple monitoring of $H_p(0.07)$ for betas and gammas on the extremities with 2 types of probe available depending on the energy range to be covered.

The ED3 Probes come pre-calibrated and are interchangeable on the electronics units. Although interchangeable, the same types of probes must be used together i.e. 2 X D1 or 2 X D4 probes.



Key Features

- Real-time readout for 1 or 2 detectors
- Measures $H_p(0.07)$ directly
- Detectors are detachable so ideal for decontamination or replacement
- Collected data can be analysed, stored and archived on a PC using the ED3 manager software which is included with the ED3
- Can be utilised for $H_p(3)$ Eye dosimetry by the addition of a 3mm filter and head

Benefits

- Real time monitoring with long battery life & data storage for post analysis / dose records
- Improved dose assessment in high dose gradients
- Simple to use and wear

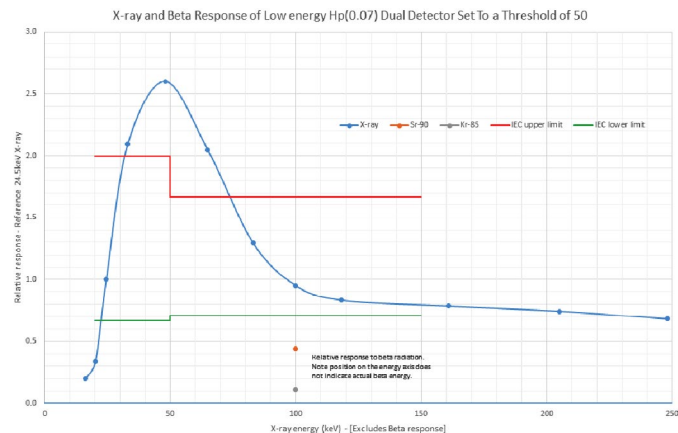
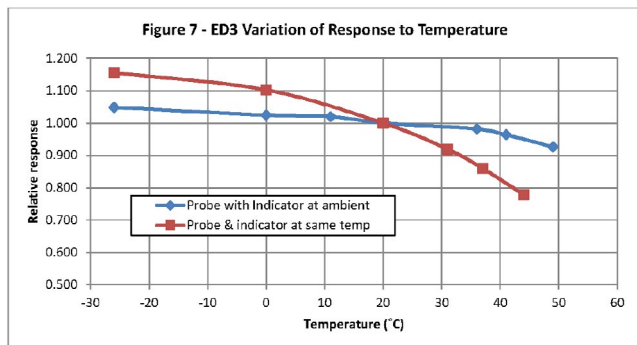
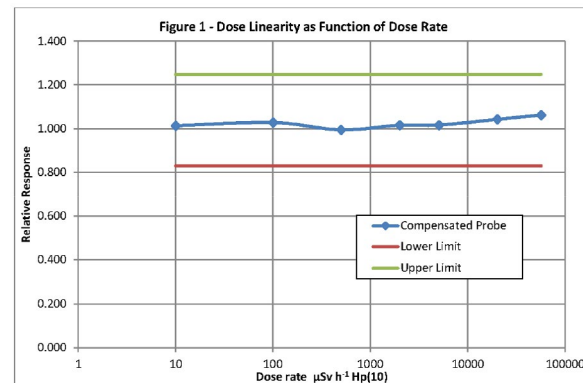
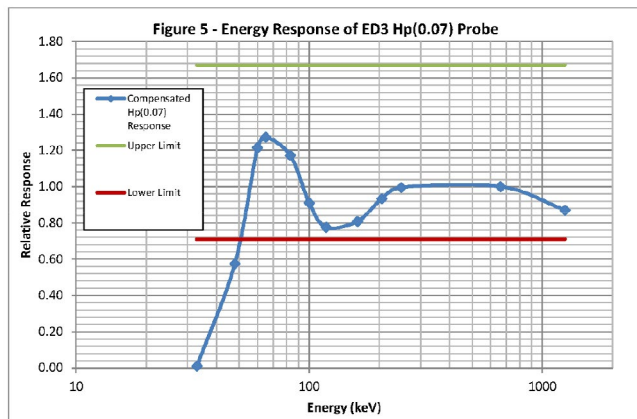
Specification

Energy Range photons	25 keV — 1.2 MeV
Effective Dose Range	1.0 μ Sv — 999.9 mSv 0.1 mrem — 99.99 mrem
Effective Dose Rate Range	0.0 to 99.9 mSv/h 0.0 to 9.99 rem/h
Size & Weight	99 x 60 x 35 mm — 245 g
Environmental	IP53
Display	16 x 2 character LCD
Battery Life (Rechargeable)	Over 60 hours per charge

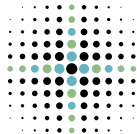


Scope

- ED3: Active Extremity Dosimeter for monitoring, collecting and displaying data from 1 or 2 detectors (must be the same type). Supplied with 1 x ED3D1 detector, PC software, ED3 Data Manager
- ED3-D1: Compensated detector designed to measure Hp(0.07) 60keV and above
- ED3-D4: Uncompensated detector designed to measure Hp(0.07) low energy photons and betas from 25 keV to 60keV



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