

Aegis ED3 Real Time Extremity Dosemeter

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, Xray and general glove box work.

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

The Probes come pre-calibrated and are interchangeable on the ED3 electronics units.

Key Characteristics

- Real-time readout for 1 or 2 detectors
- Measures Hp(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 Hp(3) Eye dosimetry by the addition of a 3mm filter and head band



Applications:

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

Benefits:

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

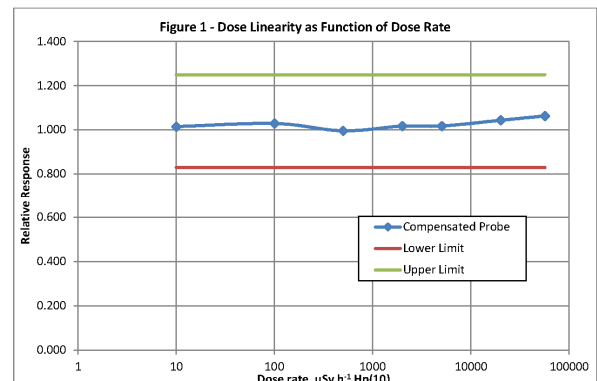
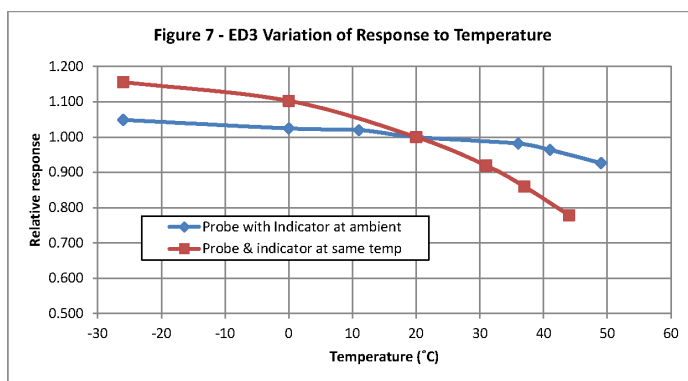
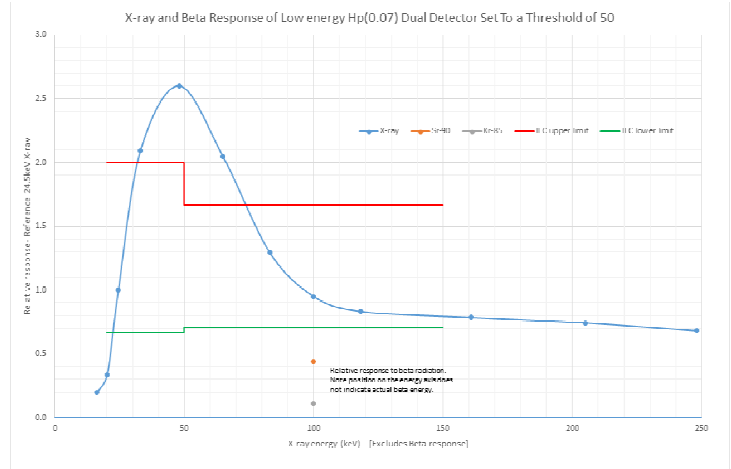
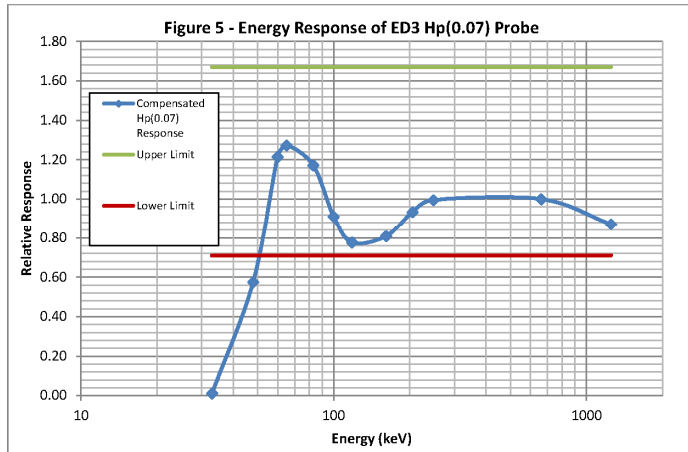
Specification

Energy Range photons	25 keV—1.2 MeV
Effective Dose Range	1.0 µSv — 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 with normal use

Self Test and Alarms

- Low Battery
- Missing Probe
- Dose Alarm
- Dose Rate Alarm
- Dose Rate Overload
- Dose Over Range

ED3 Performance Characteristics



ED3 ports

- USB data
- Charging
- Power Switch



ED3 Detector Connectors

ED3 Active Extremity Dosimeter	
Part Number	Description
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
ED3D1	Compensated detector designed to measure Hp(0.07) 60keV and above
ED3D4	Uncompensated detector designed to measure Hp(0.07) low energy photons and betas from 25 keV to 60keV
Note	Probes come with calibration — recalibration available upon request
	Probes are interchangeable but the same types of probes must be used together i.e. 2 X ED3D1 or 2 X ED3D4

