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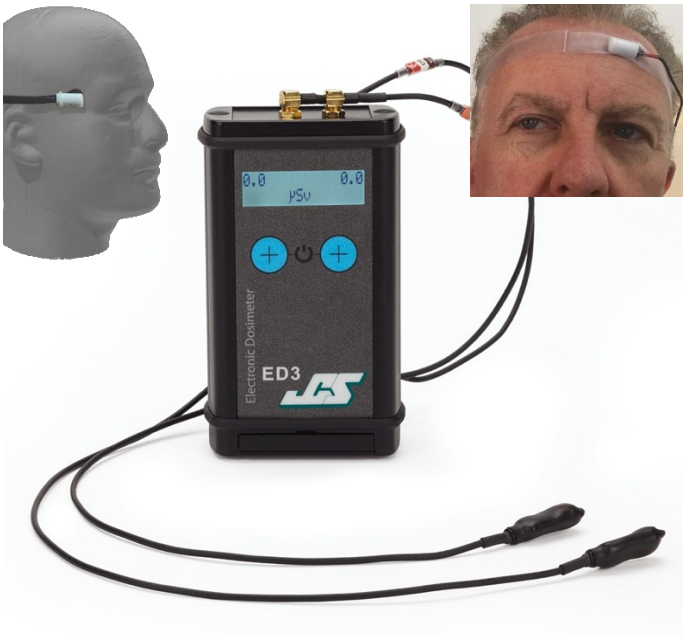
ED3 - Active Eye Dosimeter



Description

Monitoring the lens of the eye (LOE) is extremely important when handling radiopharmaceuticals, in cardiology, oncology and in glove box work as whole-body dose may underestimate the LOE dose, especially when there are high dose gradients.

The ED3 Active Eye Dosimeter provides monitoring of Hp(3) for photons (gammas and X-rays) to the eye.

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

Benefits

- Real-time monitoring for dose of record or ALARA
- Better dose assessment in high dose gradients
- Easy to wear
- Dose chain of custody
- Facilitates training
- Can be applied in Interventional Radiology, Radiation Therapy, Glove Box Applications and High Dose Gradient Environments

Key Characteristics

- Real-time readout for 1—2 detectors
- Measures Hp(3) for photons
- Detectors are removable for decontamination or replacement
- Collected data may be analyzed, stored, and archived on a PC using the included software
- May be adapted for Extremity dosimetry Hp(0.07)

Uses	Self Test and Alarms
• Interventional Radiology • Radiation therapy • Nuclear Medicine • Glove Box Applications • High Dose Gradient Environments	• Low Battery • Missing Probe • Dose & Dose Rate Alarm • Dose & Dose Rate Overload

Updated: Sep 12, 2021

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ED3 - Active Eye Dosimeter

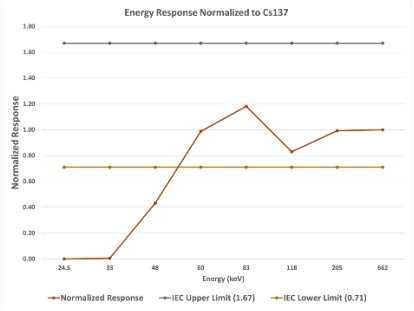
Technical Specifications

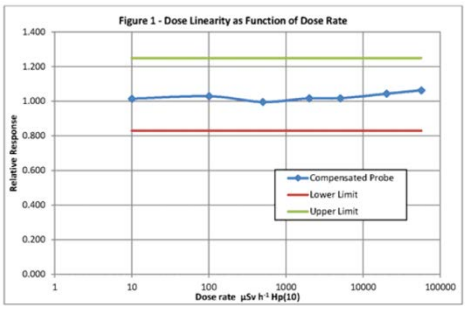
Measurement	Hp(3)
Energy Range **Photons**	60 keV* — 1.25 MeV within IEC range
Effective Dose Range	1.0 µSv — 999.9 mSv 0.1 mrem—99.99 rem
Effective Dose Rate Range	0.0 — 99.9 mSv/h 0.0 — 9.99 rem/h
Size & Weight	99 x 60 x 35 mm — 245 g
Environmental	IP53
Display	16 x 2-character LCD
Battery Life (Rechargeable)	Over 60 hours per charge with normal use

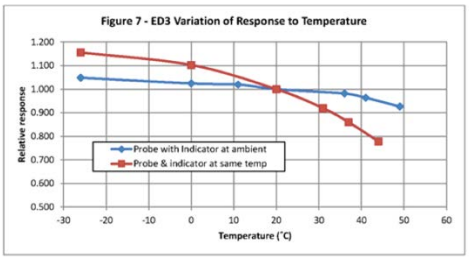
Carrying Case
With Accessories

ED3 Detector
Connectors

ED3 Ports
- USB data,
- Charging
- Power Switch







ED3 Active Extremity Dosimeter	
Part number	**Description**
ED3	Active Eye Dosimeter for monitoring, collecng and displaying data from 1 or 2 detectors (must be the same type). Supplied with 1 x ED3D3 detector, PC software ED3 Data Manager. An ED3D1 or ED3D4 may be substituted for the ED3D3 detector.
ED3D3	Detector designed to measure Hp(3) for photons from 60 keV to 1.25 MeV.
ED3D1	Detector designed to measure Hp(0.07) for photons from 60 keV to 1.25 MeV.
ED3D4	Detector designed to measure Hp(0.07) for betas and photons below 60 keV.
ED3 Calibration	Calibration of the ED3 with probes

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