



When radiation safety is mission critical

Thermo Scientific EPD TruDose
Electronic Dosimeter



For over 25 years, Thermo Scientific EPD's have set the standard for trusted radiological performance in electronic personal dosimetry. Building on that history, our next generation electronic personal dosimeter, the Thermo Scientific™ EPD TruDose™ Electronic Dosimeter, delivers the performance and reliability you have grown to trust with the modern features you expect.

Sensitive. Simple. Safe.

The Thermo Scientific EPD TruDose Electronic Dosimeter delivers unparalleled real-time dose reading, improves your employees' safety, and streamlines workplace efficiency by providing ultra-precise dosage information.



Uncompromised radiological performance

- Improved dose rate range and accuracy
- Unprecedented sensitivity, at lower dose rates provides assurance in the accuracy of exposure
- Improved pulsed field detection
- Multi-detector technology for improved performance
- IP67 provides protection from dust and water
- Integrated electromagnetic shielding improves tolerance to electro-magnetic fields
- Covert alerting mode for mission-critical field applications.
- Meets the requirements of IEC 61526 Ed.3
- Dose awareness with real-time exposure visibility
- ANSI N42.20/IEC 61526 standards compliant for gamma occupational dosimetry

Accessories and options



EPD TruDose Desktop Reader

- Compatible with EPD TruDose and EPD Mk2 Series



EPD TruDose IR Reader

- Compatible with EPD TruDose Electronic Dosimeter and EPD Mk2 Series



EPD Wall Rack

- Provides convenient storage for Electronic Personal Dosimeters (EPDs)
- Each rack holds 10 EPDs
- Racks can be stacked side-by-side to hold any number of dosimeters



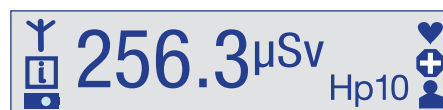
Simplified user experience

- Easy to read-and-react graphical display
- Configurable, redundant and proactive messaging
- Simple menu structure

Measurement display layout

Chrome Left	Numeric Area	Units Area	Chrome Right
		Measurement Identity Area	

Example dose display



Example rate display



EPD TruDose radiological, measurement, display, storage, electrical, mechanical and environmental properties

Detector

EPD TruDose G (Gamma)	2-PIN Silicon Diodes
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Radiological

Hp(10)	Hp(07)
X, γ rays 16 keV to 10 MeV	X, γ rays 20 keV to 10 MeV

Display and measurement

Measurement dose display and storage range	0 μSv to ≥ 10 Sv
Measurement dose rate display and storage range	0 μSv/h to ≥ 10 Sv/h
Dose profile history	Stores up to 1792 records

Accuracy

Photon Hp(10) (Ref. ¹³⁷ Cs)	Photon Hp(0.07) (Ref. ¹³⁷ Cs)
±5%	±5%

Battery

Power supply	Single AA battery, 1.5 V Alkaline, 1.2V NiMH or 3.6 V Lithium Thionyl Chloride
Battery life	1.5 V Alkaline: 40 days for continues operation (110 days for 8/24 h shifts) 3.6 V Lithium: 3.5 months for continues operation (9 months for 8/24 h shifts)

Alarm

Audible, vibration, visible alarm	Audible at 97db(A) at 20cm (>80 dB(A) at 1m), vibration alarm function, red flashing LED
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Physical

Weight	106 g (3.8 oz.) with alkaline battery and clip
Size	86 mm x 63 mm x 21 mm (3.37 inches x 2.48 inches x 0.83 inches)

Communications

Desktop/IR reader	USB connection. Compatible with EPD TruDose Electronic Dosimeter and EPD MK2 models
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Environment

Operating temperature	-20°C to +50°C
Humidity	20% to 90% RH
IP rating	IP67

Accessories

Part number	Description
436001001	EPD TruDose Desktop Reader (EasyEPD3 Software included)
436001101	EPD TruDose IrDA Reader (EasyEPD3 Software included)
43100100113	Front clip
43100100106	EPD TruDose lanyard
4350002	TruDose Test Adapter, Ba-133, 370 kBq
EPD/1/31540/000	WR-1 Wall Rack, holds 10 EPD's

User settable customizations

- Function: Standard – Secure, 15% Gain, + 10% gain, or custom
- Display and user interface settings
- Dose and dose rate alarm thresholds
- Alarm configurations