



When worker safety  
is mission critical.

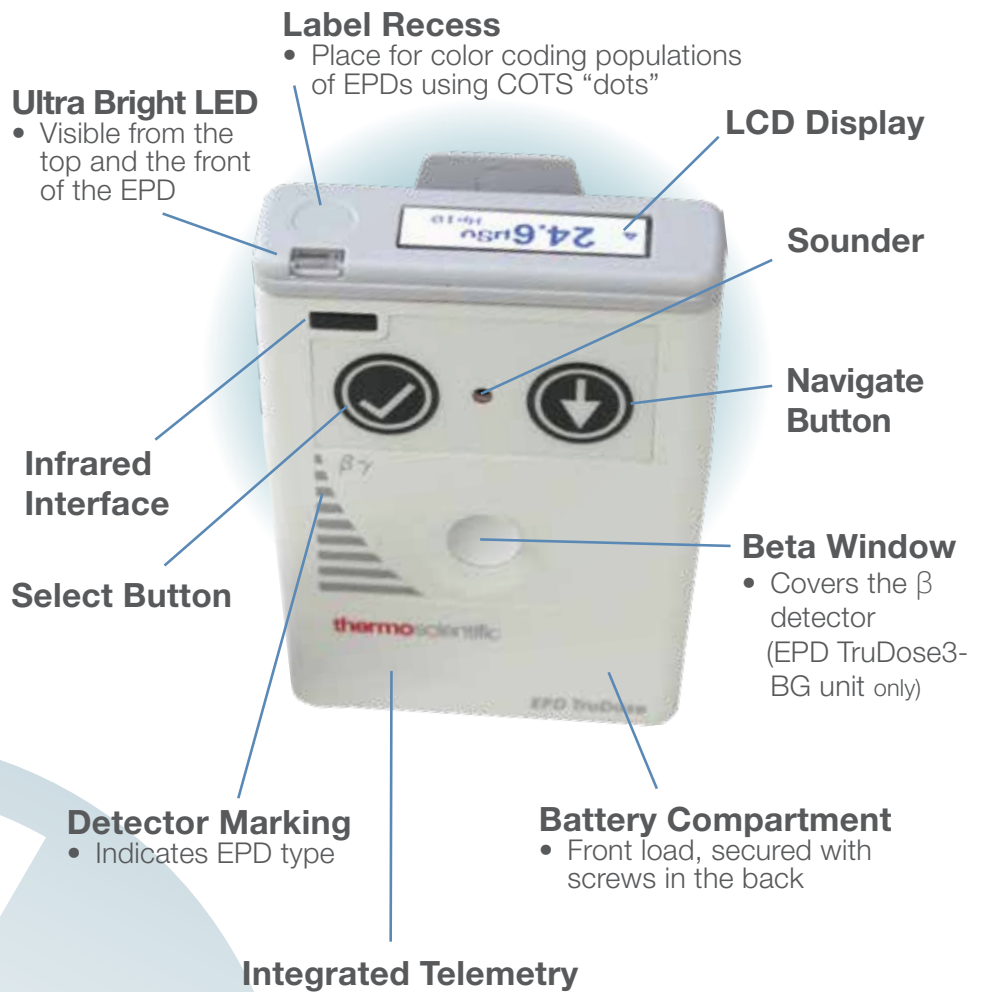
Thermo Scientific EPD TruDose  
Electronic Dosimeter



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
- Unprecedented sensitivity, as low as  $0.05\mu\text{Sv/hr}$  ( $0.005\text{mrem/hr}$ ), at lower dose rates provides assurance in the accuracy of exposure
- Improved pulsed field detection
- Multi-detector technology measuring both gamma and beta radiation
- IP65 (EPD TruDose BG) and IP67 (EPD TruDose G and NG) provides improved protection from dust and water
- Integrated electromagnetic shielding improves tolerance to electro-magnetic fields

## Increased User Efficiency

- Integrated Bluetooth Low Energy (BLE) requires no additional module 
- Real time clock simplifies troubleshooting and event documentation
- Improved IrDA data transfer speeds enables increased throughput at checkpoints
- Added warning thresholds enable users to react before an alarm condition arises

Utilizing RadSight Access, a team of workers can be monitored and their dose tracked utilizing RadSight Live.



## 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

A wide range of options are available to meet your telemetry needs.

### Telemetry

- Telemetry Software



### 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

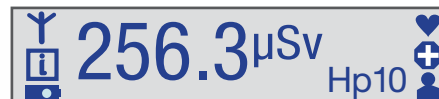
# Simplified User Experience

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

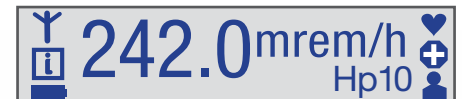
## Measurement Display Layout

Chrome Left	Numeric Area	Units Area	Chrome Right
		Measurement Identity Area	

## Example Dose Display



## Example Rate Display



## Wearing the EPD TruDose Electronic Dosimeter

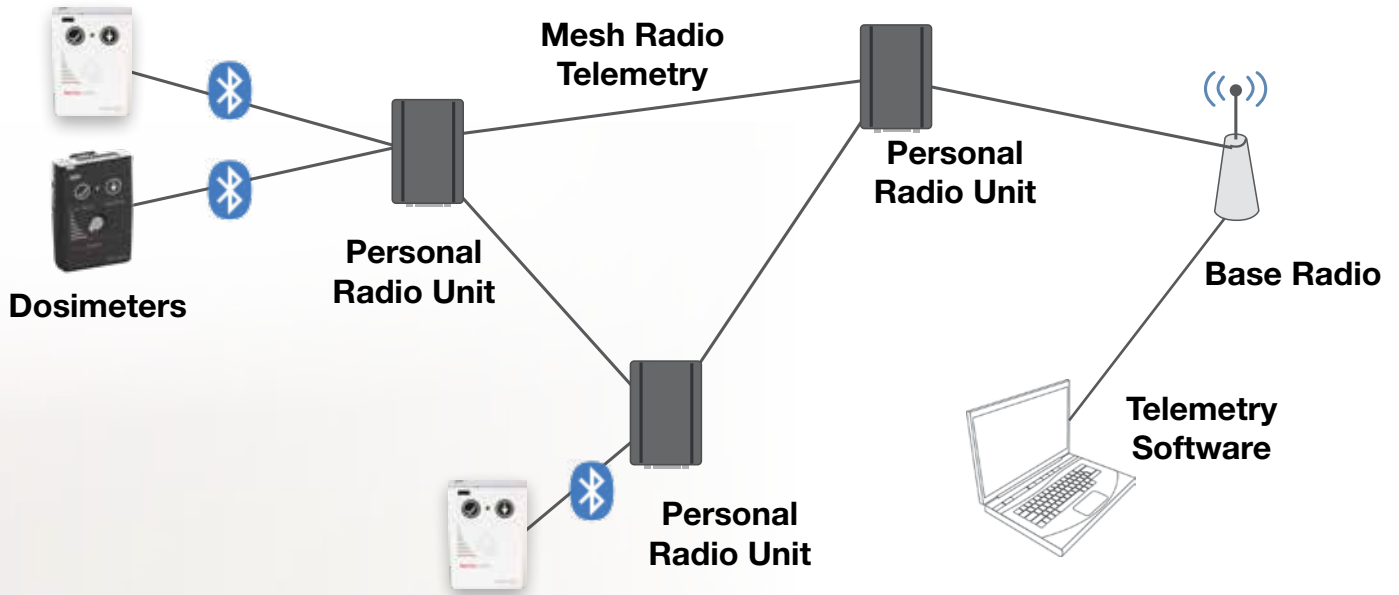


Note that the buttons should be facing outwards.



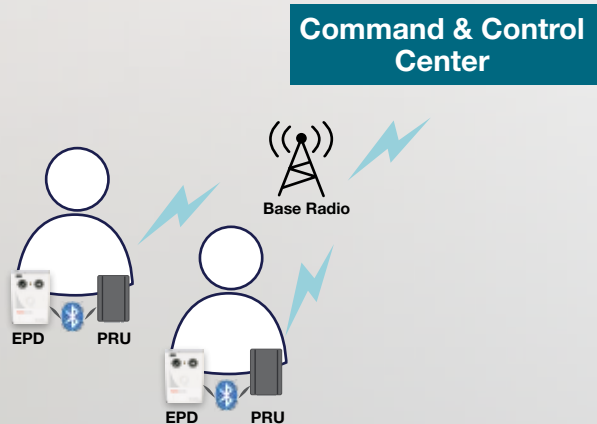
## Bluetooth Low Energy Telemetry

- Integrated telemetry unit requires no additional module
- Real time protection in most critical areas of facility
- Transmitters can receive data from multiple units



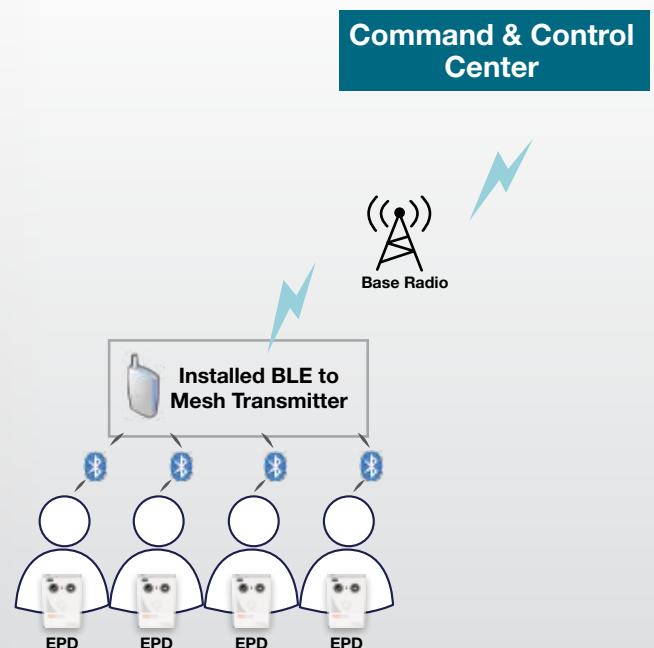
### Option 1: Personal Radio Unit (PRU)

- Wear Personal Radio Unit (transmitter) on the body (pocket, belt)



### Option 2: Mesh System

- Install network of local area transmitters



## TruDose NG Electrical, Mechanical, and Environmental Properties

### 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	114 g with alkaline battery and clip
Size	86mm x 63mm x 21mm (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
Bluetooth	Low Energy (BLE) up to 20 meters range from EPD to receiver

### Environment

Operating Temperature	-20°C to +50°C
Humidity	20% to 90% RH
IP Rating	IP-67

## Accessories

Part Number	Description
436001000	EPD TruDose Desktop Reader (Software not included)
436001001	EPD TruDose Desktop Reader (EasyEPD3 Software included)
436001100	EPD TruDose IrDA Reader (Software not included)
436001101	EPD TruDose IrDA Reader (EasyEPD3 Software included)

## Customize your configuration

Please contact your Sales Representative for EPD TruDose Configuration information. Factory configurable options include:

- Case Color
- Customizable Battery Hatch
- Specification Label
- Battery Type
- Approval Label
- Function: Standard – Secure, 15% Gain, Telemetry + 10% gain, or custom
- Display & User Interface Settings
- Alarm Thresholds
- Alarm Configurations

Find out more at [thermofisher.com/epdtrudose](https://thermofisher.com/epdtrudose)