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Thermo Scientific EPD TruDose

Quick Start Guide

External Features

Label Recess
- Place for color coding populations using COTS “dots”

LCD Display
- Shows parameters and/or functionality as selected by the buttons

Ultra Bright LED
- Visible from the top and the front

Sounder
- Audible indicator of an alarm

Infrared Interface
- Provides communication to/from the EPD

Navigate Button
- Dual button design simplifies navigation, reduces training required to operate

Select Button
- Enables users to move through the menus and select functions

Beta Window
- Covers the β detector (BG version-only)

Detector Marking
- Indicates EPD type:
  - βγ – Beta-Gamma
  - γ – Gamma
  - ηγ – Neutron-Gamma

Battery Compartment
- Front load, secured with screws in the back

For further operating instructions and Thermo Scientific™ EPD TruDose™ details, please refer to the User Manual.

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Insert/Replace Battery

1. Unscrew battery hatch

2. Use battery hatch recess to open cover

3. Insert the battery

Note battery polarity markings

4. Replace battery hatch and reinsert screws.

Wearing

The EPD TruDose should be worn under the direction of the Health Physicist. For most operating conditions, it is recommended that the EPD TruDose be worn on the outside of any protective clothing.

Note that the buttons should be facing outwards·

Attached to belt

Worn in or on pocket

Select and Navigate Buttons

Select

- Used to select a given display or action a command.

Navigate

- Used to navigate from one display to another.

Display Menu Navigate Structure

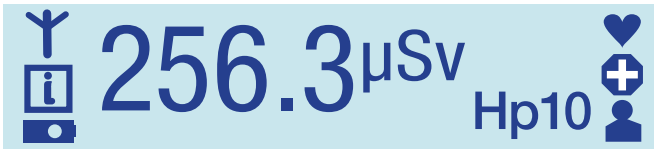
Operations	Power Off	Clear Dose	Bluetooth On/Off	Audible/Visual Alarms On/Off				
Hp10	Dose	Rate	Dose Alarm	Dose Warning	Dose Rate Alarm	Dose Rate Warning	Total Dose (Σ)	Peak Dose Rate (Pk)
Hp07	Dose	Rate	Dose Alarm	Dose Warning	Dose Rate Alarm	Dose Rate Warning	Total Dose	Peak Dose Rate
Assignment	Wearer Name	Wearer ID#	Task Name	Task#				
Time Remaining	Time Remaining	% of total Hp10 dose received						
Diagnostic	Counts	Version	Cal Due Date	Run Confirmation Test	Alarm Demo			

- Indicates Screen can be pinned; could be enabled as a Quick Access display
- Key Actions (e.g. Clear Dose, Turn Off, run conf test) require confirmation to execute (can't be done accidentally)

LCD Display Layout

Measurement Display Layout

Example Dose Display



Example Rate Display

To Turn ON/OFF

1. To Turn On:

a. At the OFF **screen, double press**

b. At the ⏻ ⟶ | **screen, press**

Note: On display is used to prompt the user to turn the unit on. If no button is pressed during the 2 second timeout, the display will revert to the Off Mode Display.

2. To Turn Off:

a. At the ▲ 24.6µSv Hp10 **screen, double press**

b. At the ☰ Menu **screen, press**

c. At the Operations **screen, press**

d. At the ⏻ ⟶ ○ **screen, press**

e. At the ⊗ ⊘ **screen, press**

f. The unit will now be off. OFF

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Typical Dose Display Screens

Hp10	**Menu Display**
3.3µSv Hp10	**Dose**
0.1µSv/h Hp10	**Dose Rate**
150.0µSv Hp10	**Dose Alarm**
100.0µSv Hp10	**Dose Warning**
75.0µSv/h Hp10	**Dose Rate Alarm**
50.0µSv/h Hp10	**Dose Rate Warning**
3.6µSv Σ Hp10	**Total Dose**
0.6µSv/h Pk Hp10	**Peak Dose Rate**

EPD TruDose G

EPD TruDose BG

Note: The EPD TruDose G is similar except the Beta window is replaced with a plastic dome.

EPD TruDose NG

Find out more at **thermofisher.com/epdtrudose**

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