## ADVANCED TECHNOLOGY FOR A SAFER WORLD

# Thermo Scientific **EPD TruDose** Quick Start Guide\*

\*For further operating instructions and details, please refer to the User Manual.

# **External Features**

# Dep and

thermoscientific

EPD TruD

### LCD Display

 Shows parameters and/or functionality as selected by the buttons

### Sounder

• Audible indicator of an alarm

### **Navigate Button**

 Dual button design simplifies navigation, reduces training required to operate

### **Beta Window**

 Covers the β detector (Only the EPD TruDose G version has the cover cap)

### **Battery Compartment**

• Front load, secured with screws in the back

### Ultra Bright LED

• Visible from the top and the front

### **Infrared Interface**

• Provides communication to/from the EPD

### Select Button

• Enables users to move through the menus and select functions

### **Detector Marking**

Indicates EPD type:
β – Beta
γ - Gamma

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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



Lanyard



### Worn inside breast 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.

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# **Display Menu Navigate Structure**

Operations	Power Off	Clear Dose	Bluetooth On/Off	Audible/Visual Alarms On/Off				
Нр10	★ Dose	★ Rate	Dose Alarm	Dose Warning	Dose Rate Alarm	Dose Rate Warning	<b>★</b> Total Dose (Σ)	◆Peak Dose Rate (Pk)
Нр07	<b>♦</b> Dose	<b>∳</b> 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			

•  $\clubsuit$  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** 



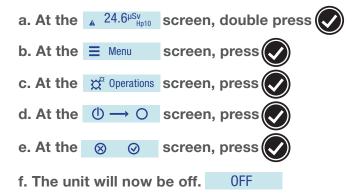
# To Turn ON/OFF

### 1. To Turn On:



**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:



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# **Typical Dose Display Screens**

😇 Hp10	Menu Display
* 3.3 <sup>µSv</sup> <sub>Hp10</sub>	Dose
* 0.1 <sup>µSv</sup> <sub>Hp10</sub>	Dose Rate
▲ 150.0 <sup>µSv</sup> <sub>Hp10</sub>	Dose Alarm
□ 100.0 <sup>µSv</sup> <sub>Hp10</sub>	Dose Warning
▲ 75.0 <sup>µSv</sup> <sub>Hp10</sub>	Dose Rate Alarm
□ 50.0 <sup>µSv</sup> <sub>Hp10</sub>	Dose Rate Warning
3.6 <sup>µSv</sup> <sup>♥</sup> <sub>Σ Hp10</sub> <sup>♥</sup>	Total Dose
0.6 <sup>µSv</sup> ♥	Peak Dose Rate



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





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