



**Tracerco**  
Insight through innovation

**PED2**

**QUICK START  
USER GUIDE**

# Product overview



## 1. System check LED:

flashes green periodically while the PED2 is functioning correctly.

## 2. Dose rate alarm and dose alarms LEDs:

flashes amber for lower dose rate/dose alarms (Levels 1 and 2). Flashes red for higher dose rate/dose alarms (Levels 3 and 4). The highest level of alarm for either dose rate or dose will dictate the LED flash.

## 3. Readings screen:

the device screen.

## 4. Case:

a robust case made of durable polymer.

## 5. Button:

a single button used for navigation and selection. A long press turns on the PED2, opens the menu system and makes selections. A short press scrolls. Press the button to silence alarms.

## 6. Speakers:

sounds the alarms.

## 7. Radiation detection element:

Geiger Müller (GM) detector.

# Getting started

## What's in the box?

Model	USB-C cable	Slideover clip	Clamping clip	Dock
PED2	✓	✓		
PED2-IS	✓	✓		✓
PED2+	✓	✓	✓	
PED2-IS+	✓	✓	✓	✓

## Batteries and charging

Devices can be used with either rechargeable or non-rechargeable batteries. Only use certified battery types (see safety information).

If using rechargeable batteries, fully charge the PED2 using a charger dock or directly using a USB-C connection before using for the first time.

A low battery warning is displayed when only 8 hours are remaining.

**Attention:** To optimise battery life of the PED2+ variants, switch off Bluetooth and GPS when not required.

## Switching on and using the device

1. Switch on the PED2 by pressing and holding the button for a few seconds.
2. During startup, the screen shows the assigned user (unless there are alarms or warnings present), followed by a button operation message. When starting up, the LED lights will flash and the PED2 will vibrate and make a loud beeping sound. The readings screen is displayed, after startup.
3. The screens form a carousel. To access the menu, press and hold the button on any screen, then press the button to scroll through the menu items.
4. To switch the PED2 off, press and hold the button for a few seconds to open the Settings menu, press the button to select the Switch Off icon, then press and hold the button.

# Screens

## Status bars (shown on each page)

- Top: shows the clock, connectivity and battery icons.
- Bottom: shows the navigation indicator and any system messages.



### Home page

- Dose rate:** Current dose rate in Sv/h or rem/h units.
- Dose:** The total dose of radiation (Sv or rem units) received since the device was switched on.
- Dose body:** Graphical display of accumulated dose level.
- Dose rate gauge:** Graphical display of current dose rate.



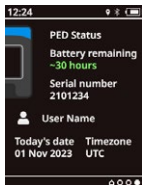
### Dose page

- Time to **Next alarm:** An estimate of the time left at current dose rate, until the next alarm is reached.



### Dose rate page

- Peak reading:** The highest dose rate (Sv or rem units) detected since the last time the device was last switched on (behaviour configurable through DoseVision2™).



### Information page

- Battery remaining.**
- PED2 **serial number, date, timezone** and any **status messages**.
- The user assigned to the PED2 (may be unassigned).

# Setting up DoseVision2™

## Configuring your PED2

DoseVision2 Device Manager provides the tools to configure your PED2, including alarms, so that you can get the most out of it.

To download and install the DoseVision2 Device Manager for free, use the link below.

## Sign up for DoseVision2 Cloud

DoseVision2 Cloud offers cloud-based storage of dose records for your users and tracks your PED2s. You can sign up for a secure account using the “get started” link below.

A 90-day free trial is available at sign up, which allows you to evaluate the dose management tools. A number of subscription packages are available to suit your team size. If you have already purchased a DoseVision2 Cloud subscription, the code you received can be entered during the sign-up process.

## Accessing user manual

Use the link below to access the PED2 User Manual.

## Connecting to a PC

Non-IS variants can be connected directly to a computer's USB port via a USB cable or dock. IS variants can only be connected to a computer using the dock.

## Get started

[www.tracerco.com/ped2-get-started](http://www.tracerco.com/ped2-get-started)

