



## PED Family Specification

Radiation detected	X-rays and gamma rays in range 33 keV to 1332 keV.
Detector	Single energy compensated Geiger Müller tube.
Dose rate range	Bar graph display 0-100 mSv/h. Digital numeric display 0-100 mSv/h.
Accumulated dose range	Dose "Man" display 0-10 Sv. Digital numeric display 0-10 Sv.
Peak radiation dose rate	Digital numeric display 0-100 mSv/h.
Battery	Rechargeable lithium ion. 300 hours run-time typical. Recharge via standard 5V micro USB connection. Can be charged from PC.
Memory	125,000 data point capacity. Serial non-volatile memory. 10 year data retention.
Units	Sieverts or Rem (may be selected in DoseVision™ software).
Operating temperature range	-20°C to 50°C.
Ingress protection rating	IP67 (dust tight and can withstand immersion in water at depth of 1m).
Hazardous area certification (PED-IS only)	ATEX EU directive 94/9/EC Safe for use in Explosive Atmosphere Zones 0, 1, and 2 ATEX Coding Ex II 1G Equipment code Ex ia IIC T4 Ga (-20°C < Ta < 50°C) ATEX Certificate No Baseefa 11ATEX0045 IECEx Certificate No. IECEx BAS 11.0027. FM approved for Class I Div I Groups ABCD Ta = 50°C and Class I Zone 0 IIC T4.
Low battery indication	On 8 hours available life left.
Humidity range	Up to 95%.
Case material	Shock, vibration and drop resistant polymers. PED-IS: Additional antistatic surface properties.
Standard compliance	BS EN 61526:2013 - "Radiation protection instrumentation - Measurement of personal dose equivalents Hp(10) and Hp(0.07) for X, gamma, neutron and beta radiations - Direct reading personal dose equivalent meters" EN55011:2009+A1:2010 - "Industrial, scientific and medical equipment. Radio-frequency disturbance characteristics. Limits and methods of measurement".

# DoseVision™ Software and DoseVision™ Live

## DoseVision™

DoseVision™, the free of charge software interface for the PED-IS, PED Blue and PED+ has been specifically designed and developed to be simple, interactive and intuitive to use. DoseVision™ allows users to set alarm levels, create reports, assign users to the PED and download and analyse data. Tracerco's PEDs have been designed to 'Keep Things Simple' and this is reflected in the software.

### Benefits of the software include:

- View dose rate, dose and accumulated dose data.
- Highlight peak dose rates.
- Quick task data viewer.
- Data export option and report generation.
- Easily upgrade device firmware.
- Password protection option so that data and alarm levels can be maintained at administration level.

- Software and firmware updates available free of charge from our website.
- Simple management of PED users.
- GPS data logging when using PED+.

## DoseVision™ Live

DoseVision™ Live is the new Android mobile application for use with the PED+. The app enables users to connect to up to 7 PED+ devices using the inbuilt Bluetooth module and monitor workers radiation dose in real time. The app also displays live status updates including battery life, stay time and peak rate.

### Benefits of DoseVision™ Live include:

- Simple, Bluetooth connectivity.
- Live dose data.
- Can monitor up to 7 PED+ devices.
- Live status updates.



## PED-IS, PED Blue and PED+ Matrix

	PED-IS	PED Blue	PED+
<b>PEDs</b>			
Dose rate, Accumulated Dose, Stay time and Peak Dose Rate	3	3	3
Sv or Rem display units	3	3	3
Extra Dose alarm option (4 instead of 2 as standard)	7	3	3
LED, vibration and Audio alarm alerts	3	3	3
Data logging	3	3	3
Task specific measurements	3	3	3
Low battery warning	3	3	3
Activity sounder	3	3	3
Multiple languages	3	3	3
Hazardous area approved	3	7	7
Charging and PC connection via dock	3	7	7
Charging and PC connection direct via micro USB	7	3	3
Changeable Displays	7	3	3
Customisable on-screen messages for alarms	7	7	3
Bluetooth connectivity	7	7	3
Handheld survey meter mode	7	7	3
Inbuilt GPS measurement and location data-logging	7	7	3
Wireless charging via inductive charger	7	7	3
<b>DoseVision™ PC software</b>			
Download and Reset accumulated data on PED	3	3	3
Configure alarm levels	3	3	3
Select number of dose alarms	7	3	3
Set PED date and time	3	3	3
Multiple languages	3	3	3
Password protection to restrict access to administrator functions	3	3	3
Manage and create user profiles	3	3	3
Generate graphs and dose reports	3	3	3
Display location specific dose data on a map	7	7	3
Enable/disable text based message alarms	7	7	3
Customised text based message alarms	7	7	3
<b>DoseVision™ Live Android app</b>			
Connect to up to 7 PED+ devices simultaneously	7	7	3
Display dose, dose rate and alarm status for all connected devices	7	7	3
Request device specific information such as battery level and stay time	7	7	3
Visual indication of alarms status	7	7	3
Audible indication of any alarms raised by connected devices	7	7	3
Mute function for active alarms	7	7	3

# Radiation Monitor Accessories

The Radiation Monitors can be supplied with accessories on request. We have a number of accessories available to assist with carrying, storing and using your monitors.

- Transit case
- Car charger (pictured)
- Lanyard
- Desktop Dock (supplied as standard with the PED-IS only)
- Portable Dock - PED-IS only (pictured)
- Travel Charger (pictured)
- Protective leather holder (pictured)
- Anti-static pouch (pictured)



Travel Charger



Portable Dock



Car charger



Protective leather holder



Anti-static pouch