Personal Electronic Dosimeter (PED) Comparison

Tracerco, part of Johnson Matthey Plc, offer a family of PEDs that deliver exceptional performance across a wide range of environments and applications. With the user in mind, the PEDs have been designed to be the easiest personal radiation monitors on the market to use and understand. The display system features radiation graph measurements and a simple diagram of a person who fills with colour, depending on the dose of radiation received. All of our PEDs include weather, shock and drop proof housings, a smooth clean design and simple to use software.

PED Family Matrix	PED -IS	PED Blue	PED +	PED -ER	PED -ER+
PEDs					
Dose rate, Accumulated Dose, Stay time and Peak Dose Rate	✓	✓	✓	✓	✓
Dose rate: 0 to 100 mSv/h (0 to10 rem/h)	✓	✓	✓	✗	✗
Dose rate: 0 to 1 Sv/h (0 to 100 rem/h)	✗	✗	✗	✓	✓
Sv or Rem display units	✓	✓	✓	✓	✓
Extra Dose alarm option (4 instead of 2 as standard)	✓	✓	✓	✓	✓
LED, Vibration and Audio alarm alerts	✓	✓	✓	✓	✓
Data logging	✓	✓	✓	✓	✓
Task specific measurements	✓	✓	✓	✓	✓
Low battery warning	✓	✓	✓	✓	✓
Activity sounder	✓	✓	✓	✓	✓
Multiple languages	✓	✓	✓	✓	✓
Hazardous area approved	✓	✗	✗	✗	✗
Charging and PC connection via dock	✓	✗	✗	✗	✗
Charging and PC connection direct via micro USB	✗	✓	✓	✓	✓
Changeable Displays	✗	✓	✓	✓	✓
Customisable on-screen messages for alarms	✗	✗	✓	✗	✓
Bluetooth connectivity	✗	✗	✓	✗	✓
Handheld survey meter mode	✗	✗	✓	✗	✓
Inbuilt GPS measurement and location data-logging	✗	✗	✓	✗	✓
Wireless charging via inductive charger	✗	✗	✓	✗	✓
DoseVision™ PC software					
Download and Reset accumulated data on PED	✓	✓	✓	✓	✓
Configure alarm levels	✓	✓	✓	✓	✓
Select number of dose alarms	✗	✓	✓	✓	✓
Set PED date and time	✓	✓	✓	✓	✓
Multiple languages	✓	✓	✓	✓	✓
Password protection to restrict access to administrator functions	✓	✓	✓	✓	✓
Manage and create user profiles	✓	✓	✓	✓	✓
Generate graphs and dose reports	✓	✓	✓	✓	✓
Display location specific dose data on a map	✗	✗	✓	✗	✓
Enable/disable text based message alarms	✗	✗	✓	✗	✓
Customised text based message alarms	✗	✗	✓	✗	✓
DoseVision™ Live Android app					
Connect to up to 7 PED+ devices simultaneously	✗	✗	✓	✗	✓
Display dose, dose rate and alarm status for all connected devices	✗	✗	✓	✗	✓
Request device specific information such as battery level and stay time	✗	✗	✓	✗	✓
Visual indication of alarms status	✗	✗	✓	✗	✓
Audible indication of any alarms raised by connected devices	✗	✗	✓	✗	✓
Mute function for active alarms	✗	✗	✓	✗	✓

PED-IS

PED Blue/PED-ER

PED+/PED-ER+

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