

Tracerco PED+

Personal Electronic Dosimeter



The PED+ can be used as both a PED and a handheld dose rate survey meter. The PED+ also incorporates a number of other additional features including, Bluetooth, GPS and pop-up message alarms.

HANDHELD MODE

- Shows readings in dose rate (Rem or Sv) and displays a trending graph to give a real time visual depiction of measured activity.
- Measurement is corrected for use “off body”; The personal accumulated dose is paused.
- Dose rate data is logged during “off body” mode to allow data review using the DoseVision™ software.

BLUETOOTH

- Built in Bluetooth module is supported by an android mobile application - DoseVision™ Live.
- Allows up to 7 PED+ devices to be monitored live, with an overview of each connected device shown.

GPS DATA LOGGING

- The PED+ allows location, dose rate and accumulated exposure data to be logged to the device; can be viewed using DoseVision™.

POP-UP MESSAGE ALARM

- Pop-up message display when an alarm threshold is reached gives the worker clear instructions.
- Simplifies the training process reduces the need to memorize complicated procedures.

APPLICATIONS

- NDT
- Emergency Services & First Responders (CBRNe)
- Border Controls
- Medical & Life Sciences
- Oil and Gas Safe Zones
- Nuclear.

OPTIONAL ACCESSORIES

Portable car charger - Travel case
Travel pack
Car charger | Continental adaptors/
Travel dock

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SPECIFICATIONS

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 0-10,000 mR/Hr (0-100 mSv/Hr) Digital numeric display 0-10,000 mR/Hr (0-100 mSv/Hr)
Accumulated dose range	Dose "Man" display 0-1000R (0-10 Sv) Digital numeric display 0-1000R (0-10 Sv)
Peak radiation dose rate	Digital numeric display 0-10,000 mR/Hr (0-100 mSv/Hr)
Case material	Shock, vibration and drop resistant polymers with antistatic surface properties
Memory	125,000 data point capacity Serial non-volatile memory 10 year data retention
Units	Rem or Sieverts (may be selected in DoseVision™ software)
Dimensions	3.9 x 2.3 x .8 in (10 x 6 x 2 cm)
Weight	5.5 oz. (155 g)
Operating temperature range	-4° to 122° F (-20° to 50° C)
Ingress protection rating	IP67 - dust tight and can withstand immersion in water at depth of 40 in (1m)
Low battery indication	On 8 hours available life left
Battery	Rechargeable lithium ion 300 hours charge typical
Humidity range	Up to 95%
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. Radiofrequency disturbance characteristics. Limits and methods of measurement".
Kit Includes	PED, Docking Station, Belt Clip, DoseVision Software

DoseVision™ Software

