

Tracerco PED-IS

**Intrinsically Safe
Personal Electronic Dosimeter**



The Tracerco PED-IS, designed and developed to give exceptional performance in the most challenging environments.

The easiest personal radiation monitor to read and operate on the market.

The PED-IS is ideal for both the radiation protection professional and those not working with radiation every day. It is safe to use in potentially explosive environments, (Intrinsically Safe) robust and reliable, making it ideal for challenging environments.

Everything on the PED-IS has been designed with the end-user in mind; the display system features graph measurements as well as a simple diagram of a man who fills with color depending on accumulated radiation exposure.

DoseVision™, the software interface for the PED-IS, has been designed to be user friendly and intuitive. Users can set alarm levels, create reports and analyze data. Software updates are always available free of charge.

OPTIONAL ACCESSORIES

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

BENEFITS

- Intrinsically safe so no need for a hot work permit
- Icons and one touch operation
- Simple to use
- For use in all weathers
- Easy to decontamination
- Lightweight, easy to carry
- Expansive memory
- Easy to read - large Amoled screen
- Three measurement modes
- Four alarm settings
- Rotating screen

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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 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)
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)
Hazardous area certification	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
Dimensions	3.9 x 2.3 x .8 in (10 x 6 x 2 cm)
Weight	5.6 oz. (160 g)
Low battery indication	On 8 hours available life left
Battery	Rechargeable lithium ion 300 hours charge typical
Humidity range	Up to 95%
Standard compliance	EU directives: 2004/108/EC Electromagnetic Compatibility Directive 94/9/EC Atex Directive
Kit Includes	PED, Docking Station, Belt Clip

DoseVision™ Software

