



# Personal Electronic Dosimeter (PED)

## TRACERCO™ PED

We have created a device that gives exceptional performance in the most challenging environments.

The easiest personal radiation monitor to read and operate on the market, much easier to use than the traditional personal radiation monitors.

Perfect for both radiation specialists and those who are not working with radiation every day. It's safe to use in potentially explosive environments, (Intrinsically Safe) robust and reliable, making it ideal for challenging environments.

Everything on the device has been designed with the user in mind; the display system features graph measurements but also a simple diagram of a man who fills with colour depending on the dose received.

DoseVision™, our software interface has been developed to be intuitive to use. And, as supporters of the plain English campaign we have used their principles when writing the manual for the device and software. We have also included a quick start guide to get you up and running as soon as possible.

The benefits of using our monitor are:

- Intrinsically safe so no need for a hot work permit †
- Icons and one touch operation means its simple to use and there's no need to continually look at the user manual

† Please refer to specification table over the page.

- Use in all weathers and easy decontamination
- Lightweight, making it easy to carry and maneuver
- Extra large memory reducing the risk of data being overwritten
- Easy to read with a large AMOLED display screen
- Three measurement modes and four alarm settings
- Wear it several ways as the screen can be flipped

There are some accessories available with the monitor:

- Portable in car charger
- Travel case
- Travel pack, which includes in car charger, continental adaptors and a small travel dock

For more information and full technical specifications please visit our website at [www.tracerco.com/monitors](http://www.tracerco.com/monitors)

The TRACERCO™ PED;  
the right protection for  
any environment.



## Applications:

- Oil and gas
- First responders
- Military
- Research laboratories
- Mining
- Nuclear power
- Medical
- Environmental agencies

## Did you know...?

As well as supplying your monitor we can also service, repair and calibrate it.

We also offer monitors for hire.

For enquiries:

**Tel:** +44 (0) 1642 375171

**Email:** radiation.monitors@tracerco.com

Follow us on [Twitter](#) for the latest news and promotions [@TracercoMonitor](#)

### TRACERCO™ PED

<b>Radiation detected</b>	X-rays and gamma rays in range 33 keV to 1332 keV.	<b>Ingress protection rating</b>	IP67 (dust tight and can withstand immersion in water at depth of 1m).
<b>Detector</b>	Single energy compensated Geiger Müller tube.	<b>Hazardous area certification</b>	The monitor meets the following 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.
<b>Dose rate range</b>	Bar graph display 0-100 mSv/h. Digital numeric display 0-100 mSv/h.	<b>Low battery indication</b>	On 8 hours available life left.
<b>Accumulated dose range</b>	Dose "Man" display 0-10 Sv. Digital numeric display 0-10 Sv.	<b>Battery</b>	Rechargeable lithium ion. 300 hours charge typical.
<b>Peak radiation dose rate</b>	Digital numeric display 0-100 mSv/h.	<b>Humidity range</b>	Up to 95%.
<b>Case material</b>	Shock, vibration and drop resistant polymers with antistatic surface properties.	<b>Standard compliance</b>	The monitor meets the following EU directives: 2004/108/EC Electromagnetic Compatibility Directive 94/9/EC Atex Directive.
<b>Memory</b>	125,000 data point capacity. Serial non-volatile memory. 10 year data retention.		
<b>Units</b>	Sieverts or Rem (may be selected in DoseVision™ software).		
<b>Operating temperature range</b>	-20°C to 50°C.		

