

# TRACERCO

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Tracerco is a global leader in radiation detection and measurement, offering a comprehensive range of handheld monitors and personal electronic dosimeters. Their instruments are designed to provide accurate, real-time monitoring of radiation levels, ensuring safety and compliance in various industries.

Tracerco's handheld monitors deliver precise measurements of radiation dose rates, aiding professionals in making informed decisions in environments where radiation is a concern. Their personal electronic dosimeters are engineered to track individual exposure, providing essential data for maintaining occupational safety standards.

Trusted across sectors such as oil and gas, nuclear, medical, and emergency services, Tracerco's radiation monitoring solutions support organizations in safeguarding personnel and the environment.

Enhance your radiation safety protocols with Tracerco's reliable and efficient monitoring instruments.

# HANDHELD MONITORS





## Contamination Monitor T401 - Tracerco

The Tracerco™ T401 contamination monitors are suitable for those working in oil and gas, medical and life sciences, nuclear, CBRNe and emergency services, NDT, manufacturing, and environmental and waste management industries.

These monitor benefit from high-level functionality with added environmental tolerance, and they are a highly cost-effective monitor where intrinsic safety is not a concern.

Tracerco™ T401 contamination monitor is particularly suited to the detection of radioactive contamination, and this typically arises where man-made or naturally occurring isotopes are processed. This includes nuclear power, land remediation, research and development and medicine applications.

They also offer a number of additional key features, such as operational reliability, a direct surface ability mode and peak reading to make life easier for the worker.

The Tracerco™ T401 provides excellent sensitivity for the detection of alpha and beta radiation.

### Other benefits include:

- Dual bar graph meter display: 0-1000cps
- Digital numeric display provides automatic direct translation to Bq/cm<sup>2</sup> for 14+ pre-programmed nuclides, natural and man-made
- Detachable radiation probe with up to 1.5 metres of extendable cable
- Optional extension arm for surveying contaminated pipework, drains, laboratory floors and so on
- Probe stepwise rotatable through 90° for internal surface measurements
- Backlight facility
- Audible response with adjustable alarm thresholds
- Ruggedised nylon 6/6 construction and modular integrated electronics provide an all-weather instrument



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**Radiation Detection > Handheld Monitors**

## **Dose Rate Monitor T402 & T402HR - Tracerco**

The non-intrinsically safe radiation (contamination) Dose Rate Monitors T402 & T402HR offers an alternative to the Tracerco™ T202 Dose Rate Monitor. The instrument is designed for use in a wide range of industrial applications where radioactive substances are present.



### **Specifications Dose Rate Monitor T402 & T402HR Tracerco**

Contamination Dose Rate Monitor T402 & T402HR

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Radiation Detection > Handheld Monitors

## Contamination Monitor T403 - Tracerco

The Tracerco™ T403 Radiation Contamination Monitor is designed to meet the challenge of combining the operational reliability under adverse conditions with excellent sensitivity and robust construction.



### Specifications Contamination Monitor T403 from Tracerco

Contamination Monitor T403 - Tracerco

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**Radiation Detection > Handheld Monitors**

## **T406 X-ray Monitor**

The Tracerco™ T406 X-ray radiation monitor is an advanced radiation monitoring device designed for professionals in oil and gas, medical and life sciences, nuclear, CBRNe and emergency services, NDT, manufacturing and industrial, and/collections/monitors/products/tracerco-t406-x-ray-monitor environmental and waste management industries.

Unlike other radiation survey meters on the market, the Tracerco™ T406 enables rapid radiation level detection, helping users identify peak radiation measurements and minimise exposure to potential radiation leaks during operations.

Benefits of the Tracerco™ T406 X-ray monitor:

- Hygienic design – smooth lines and an easy-to-clean finish make it ideal for environments with a risk of disease transmission through hand contact, such as food processing, airport security, and hospital settings.
- Easy and safe to use – designed to be lightweight and easy to carry, with the ability to be operated remotely in demanding environments.
- Audible response – with alarm set thresholds for enhanced radiation safety.



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Radiation Detection > Handheld Monitors

# Intrinsically Safe Radiation Dose Rate Monitor (T202) Tracerco™

The Tracerco T202 dose rate monitor provides key operational features like peak dose rate memory and personal dose integration. Tracerco designed the monitor specifically to combine intrinsic safety with robust and reliable characteristics.

The monitor is suitable for all kinds of markets like:

- Oil and gas
- First responders
- Military
- Life sciences
- Mining
- Nuclear
- Medical
- Environmental agencies



## TRACERCO DOSE RATE MONITOR BENEFITS

- Intrinsically safe, so no need for a hot work permit
- Reads and records peak measurements so you can measure radiation levels remotely
- It can be used in every weather
- Adjustable alarm thresholds
- Lightweight
- Digital bar graph display and dose rate integration
- Easy to decontamination

If you want to know more about Tracerco Dose rate monitors, take a look at [our partner's site!](#)



**Need advice or do you have a question?**

**Contact PEO!**



## NORM Monitor-IS - Tracerco

### Overview:

The Tracerco™ NORM Monitor-IS is a groundbreaking, ATEX-approved radiation monitoring device with dual probe capabilities. Using either a Geiger Muller (GM) detector or a scintillator probe, it enables users to monitor naturally occurring radioactive material (NORM) in all conditions for the first time.

It is lightweight and easy to use, yet also robust and reliable. It comes complete with a practical and secure carrying holster for ease of use.

The Tracerco™ NORM Monitor-IS is available with different combinations of handset and probes depending on your requirements.

### Benefits of the Scintillation Probe:

- Robust and suitable for use in challenging conditions
- Enables radiation surveys of external walls for internal NORM deposits
- 360° detection capability for comprehensive radiation monitoring
- $\mu\text{R/h}$  option available for USA

### Benefits of the GM Probe:

- Detects alpha and beta radiation
- High sensitivity to lead-210 NORM
- Provides  $\text{Bq/cm}^2$  output for typical NORM isotopes
- Measurement modes: CPS,  $\mu\text{Sv/h}$  (Scintillator), CPS,  $\text{Bq/cm}^2$  (GM)
- All modes have background subtraction option CPM

### Additional Key Features:

- One-touch integrate function for detecting very low radiation levels with increased accuracy.
- Live background subtraction and multiple measurement modes, including counts per second (CPS), counts per minute (CPM), dose rate, and surface activity.
- Easy recalibration - recalibration can be performed without the handset (spare probes can be supplied to eliminate downtime).
- Adjustable alarm thresholds for enhanced radiation safety.
- Easy to clean and decontaminate - Scintillator: IP67, GM: IP34, Handset: IP65.
- Large, easy-to-read LCD screen with bar graph and backlight for improved usability in low-light environments.

# PERSONAL ELECTRONIC DOSIMETERS





# PED2 (Personal Electronic Dosimeter) - Tracerco

**A flexible personal electronic dosimeter for general radiation protection applications.**

## Flexible radiation protection

Instantaneously measures, records and displays dose rate and accumulated dose in real time

Up to four configurable dose and dose rate alarm settings

Optional extended range calibration up to 1 Sv/h where potential exists for emergency situations



## Features:

- Clear and readable
- Simple and intuitive
- Reliable and accurate
- Flexible radiation protection
- IS certification

## Easy to use and understand

Large, easy-to-read color display ensures vital information is clear, simple to understand and visible in any lighting scenario

A single button is used to navigate an intuitive carousel menu

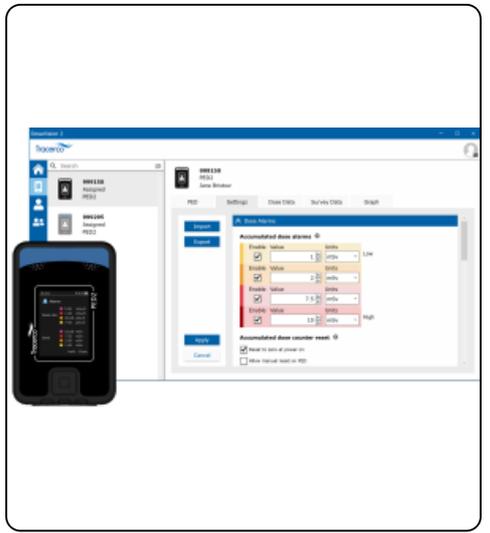
Alarm settings trigger audible, visual, textual and haptic alerts

## IS certification

PED2-IS and PED2-IS+ are ATEX certified. This European certification is given to equipment that is tested and approved to be intrinsically safe.



Giving you the peace of mind that the IS certified PED2 range is able to safely measure radiation exposure in potentially explosive environments.



## Additional Services

To support optimal performance and compliance with regulatory standards, PEO offers the following services for this device:

- **Service**  
Periodic inspections carried out by qualified technicians to assess functionality, identify wear, and detect potential issues early.
- **Maintenance**  
Preventive measures, part replacements, and performance checks designed to extend the device's operational lifespan and maintain consistent reliability.
- **Calibration**  
Calibration services, performed by qualified technicians. Each unit receives a Calibration Certificate confirming accuracy and conformity.
- **Leakage Tests**  
Radiation leakage testing to confirm detector safety and compliance with applicable health and safety requirements.

These services are available through PEO.

For service appointments or contract options, please contact your PEO representative.

**Purchase Product**

**Request Service**

**Ask a question**

**Find more products**

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Radiation Detection > Personal Electronic Dosimeters

## PED2 - ER (Personal Electronic Dosimeter) - Tracerco

**An intrinsically safe certified personal electronic dosimeter, with handheld survey mode and enhanced features such as Bluetooth, GPS and pop-up message alarms**

Features:

- Clear and readable
- Simple and intuitive
- Reliable and accurate
- Flexible radiation protection
- IS certification



### Easy to use and understand

Large, easy-to-read colour display ensures vital information is clear, simple to understand and visible in any lighting scenario

A single button is used to navigate an intuitive carousel menu

Alarm settings trigger audible, visual, textual and haptic alerts

### Flexible radiation protection

Instantaneously measures, records and displays dose rate and accumulated dose in real time

Up to four configurable dose and dose rate alarm settings

Optional extended range calibration up to 1 Sv/h where potential exists for emergency situations

### IS certification

PED2-IS and PED2-IS+ are ATEX certified. This European certification is given to equipment that is tested and approved to be intrinsically safe. Giving you the peace of mind that the IS certified PED2 range is able to safely measure radiation exposure in potentially explosive environments.

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Radiation Detection > Personal Electronic Dosimeters

# PED2-IS (Personal Electronic Dosimeter) - Tracerco

## Flexible radiation protection

Instantaneously measures, records and displays dose rate and accumulated dose in real time

Up to four configurable dose and dose rate alarm settings

Optional extended range calibration up to 1 Sv/h where potential exists for emergency situations



## Features:

- Clear and readable transfective display enables use in dimly lit or sun-glare scenarios
- Responds promptly to small changes in radiation whilst also being capable of making accurate and reliable readings
- Intuitive single button operation
- Intrinsically safe for use in hazardous areas
- DoseVision™ companion software with optional cloud ecosystem

## Easy to use and understand

Large, easy-to-read colour display ensures vital information is clear, simple to understand and visible in any lighting scenario

A single button is used to navigate an intuitive carousel menu

Alarm settings trigger audible, visual, textual and haptic alerts

## IS certification

PED2-IS and PED2-IS+ are ATEX certified. This European certification is given to equipment that is tested and approved to be intrinsically safe. Giving you the peace of mind that the IS certified PED2 range is able to safely measure radiation exposure in potentially explosive environments.



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Radiation Detection > Personal Electronic Dosimeters

## PED-Blue (Personal Electronic Dosimeter) - Tracerco

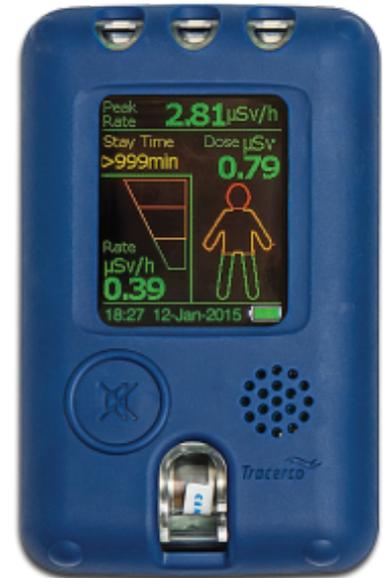
### PED-BLUE FROM TRACERCO

#### Personal Electronic Dosimeter

The PED-Blue is a lightweight, non-IS PED. The device can be charged with a direct micro USB connection, so it's more flexible. This dosimeter can also be configured to use either two or four dose alarm levels and is customisable through DoseVision™ software.

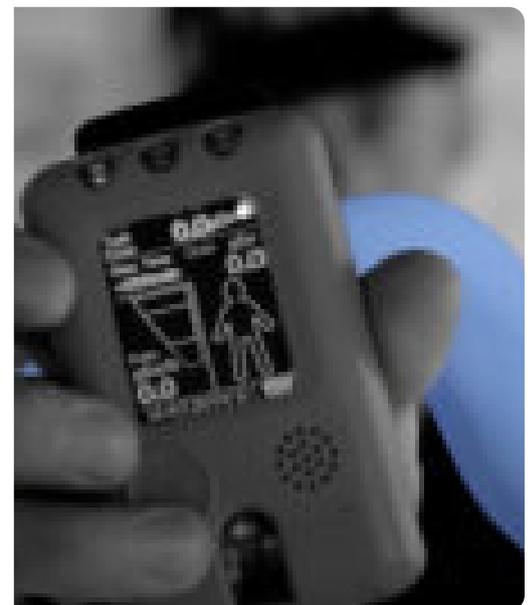
The PED Blue also has a task function where you can start and finish a task. After a task is finished you can look back by using DoseVision. This dosimeter is also perfect for clinical environments for example, because of its discreet alarm function.

The dosimeter gives the user immediate feedback so you'll know when the ambient dose is heightened.



#### BENEFITS OF THE PED BLUE:

- Robust and easy to use
- Direct micro USB connection for greater flexibility
- Large, clear, easy-to-read AMOLED display
- Light weight
- Used with DoseVision™ software ensures ease of use
- IP67 rated
- Simple one-button operation
- Four adjustable alarms
- Immediate detection



Tracerco Radiation Monitors <https://youtu.be/Rm907FOKeX0>



SCAN TO VIEW VIDEO



For more info from Tracerco, take a look at [this page](#).

**Would you like more information on PED's?**

**Contact PEO!**

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Radiation Detection > Personal Electronic Dosimeters

## PED+ (Personal Electronic Dosimeter) - Tracerco

### Radiation safety - simplified

Tracerco's range of personal electronic dosimeters (PEDs) are suitable for oil and gas, medical and life sciences, nuclear, CBRNe and emergency services, NDT, manufacturing and industrial, and environmental and waste management industries. We offer both intrinsically safe and non-intrinsically safe options for all needs.

### PED+ (Personal Electronic Dosimeter) from Tracerco

The PED+ can be used as both a personal dosimeter and a handheld dose rate survey meter. It has a number of additional features, such as Bluetooth, GPS and pop-up message alarms.



### Benefits of the PED+ include:

- Handheld mode allows the device to be used as a handheld survey meter
- Shows readings in dose rate (Sv or rem) and displays a live trend graph to show activity in real time
- Measurement is corrected for use off-body, so personal accumulated dose is not recorded
- Dose rate data is logged in off-body mode, allowing data review with DoseVision™
- Pop-up alert messages display clear instructions at alarm threshold
- Allows location data to be logged to the device alongside dose and dose rate data, that can be viewed using DoseVision™

Would you like to receive more information?

**Contact PEO!**



## PED-ER (Personal Electronic Dosimeter) - Tracerco

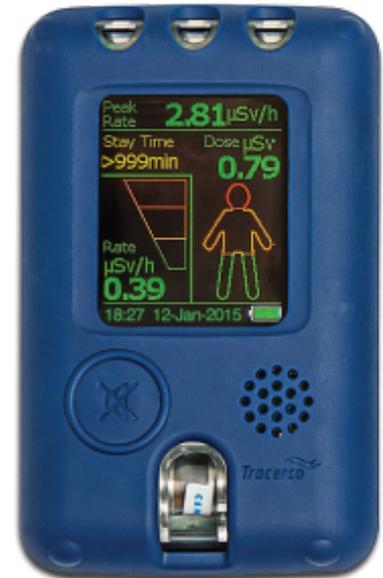
### PED-ER FROM TRACERCO

#### Personal Electronic Dosimeter with extended range

The PED-ER is a robust, light and user-friendly personal electronic dosimeter. You can use it to effectively monitor, measure and manage radiation exposure. This PED is the same as the PED-Blue from Tracerco, only the ER stands for Extended Range, so the range is bigger.

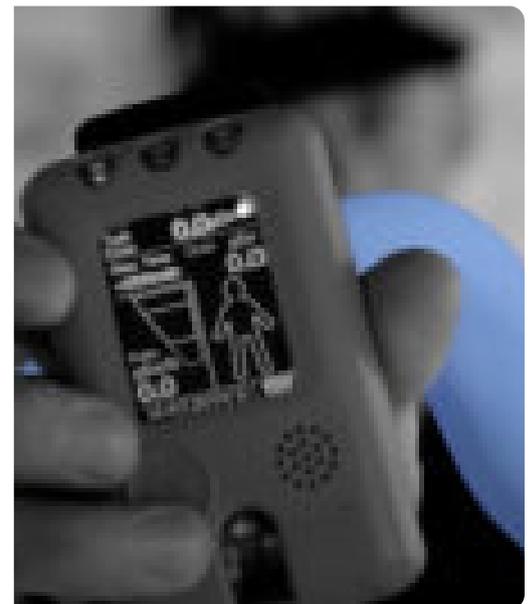
This personal electronic dosimeter has both audio and visual alarms with vibration. The dosimeter will alarm you when you reach your personally set radiation dose. Because of the extended dose range from the PED-ER, it can detect radiation up to 1 Sv/h.

This dosimeter is not only designed to be robust and lightweight, it's also designed to keep it simple. The device has a large and clear AMOLED display which is very user-friendly. When you use this dosimeter in combination with the accompanying software DoseVison, you can easily manage radiation doses.



#### BENEFITS OF THIS DOSIMETER:

- The dosimeter has an extended dose range of up to 1 Sv/h
- Large easily readable display and intuitive graphical user interface
- A reliable dosimeter, even for the most challenging radiation monitoring situations
- User-friendly design because of one-button operation
- The user can easily operate it without any training
- You can choose between audio and/or visual alarms, with optional vibration



**Tracerco Radiation Monitors** <https://youtu.be/Rm907FOKeX0>



For more information from Tracerco, take a look at [this page](#).

**Would you like more information on PED's?**

**Contact PEO!**

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Radiation Detection > Personal Electronic Dosimeters

## PED-ER+ (Personal Electronic Dosimeter) - Tracerco

### Radiation safety - simplified

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### PED-ER+ (Personal Electronic Dosimeter) from Tracerco

The PED-ER+ provides the ultimate in radiation monitoring, measurement and management for those working in challenging environments. Ideal for use by industrial NDT workers, emergency services and first response teams (CBRNe).



### Benefits of the PED-ER+ include:

- An extended dose rate range of up to 1Sv/h
- Weather, shock and drop-proof housing - ideal for rugged environments
- Large clear display
- Portable - can be used as both a personal dosimeter, and a handheld dose rate survey meter
- Pop-up message alarms when dose limits are reached

Would you like to receive more information?

**Contact PEO!**

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Radiation Detection > Personal Electronic Dosimeters

## Dosimeter software DoseVision™ and DoseVision™ Tracerco

The dosimeter PC software interface for the PED-IS PED Blue and PED+ is specifically designed for simplicity and interactivity. DoseVision™ allows users to set alarms and reports. This is to assign users to the PED, and download and analyze data.



### advantages of DoseVision:

- cumulative dose rate data analysis
- peak dose rates
- data export and easily generate reports
- password protection
- software and firmware updates available for free
- easy management of PED users
- GPS data logging using the PED+

### advantages of DoseVision Live™ :

- Bluetooth connectivity
- live dose rate data
- management control for up to 7 devices
- live status updates

DoseVision Live dosimeter software Tracerco