

# PERSOONLIJKE ELEKTRONISCHE DOSIMETERS



# Table of contents

<b>Tracerco</b> .....	<b>3</b>
PED2 (Personal Electronic Dosimeter) - Tracerco .....	4
PED2 - ER (Personal Electronic Dosimeter) - Tracerco .....	7
PED2-IS (Personal Electronic Dosimeter) - Tracerco .....	8
PED-Blue (Personal Electronic Dosimeter) - Tracerco .....	9
PED+ (Personal Electronic Dosimeter) - Tracerco .....	11
PED-ER (Personal Electronic Dosimeter) - Tracerco .....	12
PED-ER+ (Personal Electronic Dosimeter) - Tracerco .....	14
Dosimeter software DoseVision™ and DoseVision™ Tracerco .....	15
<b>Polimaster</b> .....	<b>15</b>
PM1703GNA-II MBT Personal Radiation Detector/Dosimeter .....	18
PM1703GNA-II/BT Personal Radiation Detector .....	19
PM1703MO-II BT Personal Radiation Detector/Dosimeter .....	20
PM1703MA-II/BT Personal Radiation Detector .....	21
PM1610B X-Ray and Gamma Radiation Personal Dosimeter .....	22
PM1610 X-Ray and Gamma Radiation Personal Dosimeter .....	23
PM1605BT Personal Radiation Monitor/Dosimeter .....	24
PoliSimeter™ ERB Electronic Personal Dosimeter .....	25
PoliSimeter™ ER Electronic Personal Dosimeter .....	26
PoliSimeter™ Electronic Personal Dosimeter .....	27
RadFlash® Electronic Personal Dosimeter .....	28
<b>Bertin Technologies</b> .....	<b>28</b>
Saphydose gamma i .....	30
<b>SE International</b> .....	<b>30</b>
Radiation Alert® Sentry EC .....	32
Rad-60 Alarming Dosimeter .....	33
<b>Ludlum Measurements</b> .....	<b>33</b>
Model 23-1 Electronic Personal Dosimeter - Ludlum .....	35



## Partner **Tracerco**



Tracerco is wereldwijd toonaangevend in stralingsdetectie en -meting en biedt een uitgebreid assortiment draagbare monitoren en persoonlijke elektronische dosimeters. Hun instrumenten zijn ontworpen voor nauwkeurige, realtime monitoring van stralingsniveaus en garanderen zo de veiligheid en naleving in diverse sectoren.

### Product offering

<p><b>PED2 (Personal Electronic Dosimeter) - Tracerco</b></p> 	<p><b>PED2 - ER (Personal Electronic Dosimeter) - Tracerco</b></p> 	<p><b>PED2-IS (Personal Electronic Dosimeter) - Tracerco</b></p> 	<p><b>PED-Blue (Personal Electronic Dosimeter) - Tracerco</b></p> 
<p><b>PED+ (Personal Electronic Dosimeter) - Tracerco</b></p> 	<p><b>PED-ER (Personal Electronic Dosimeter) - Tracerco</b></p> 	<p><b>PED-ER+ (Personal Electronic Dosimeter) - Tracerco</b></p> 	<p><b>Dosimeter software DoseVision™ and DoseVision™ Tracerco</b></p> 



## Stralingsdetectie > Persoonlijke elektronische 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
- > Maintenance
- > Calibration
- > Leakage Tests

These services are available through PEO.

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

[Purchase Product](#)

[Request Service](#)

[Ask a question](#)

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Stralingsdetectie > Persoonlijke elektronische 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.

← Back to partner



Stralingsdetectie > Persoonlijke elektronische 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.



← Back to partner



Stralingsdetectie > Persoonlijke elektronische dosimeters

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

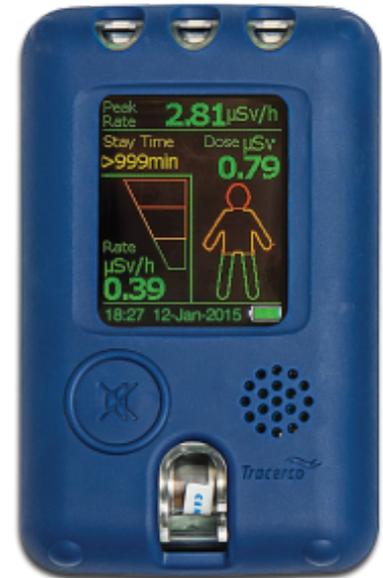
### PED-BLUE

#### Personal Electronic Dosimeter, PED-Blue

This dosimeter 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.

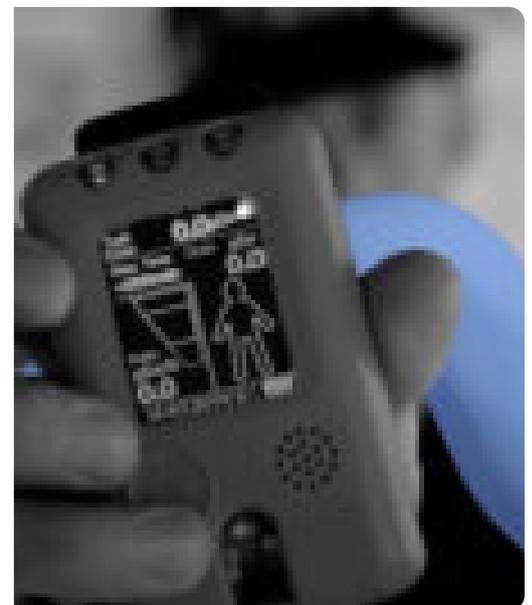
The PED Blue also has a task function where you can start and finish a task. After a task is finished you can look back by using DoseVision. This dosimeter is also perfect for clinical environments for example, because of its discreet alarm function.

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/Rm9O7FOKeX0>



SCAN TO VIEW VIDEO



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

← Back to partner



## Stralingsdetectie > Persoonlijke elektronische 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.

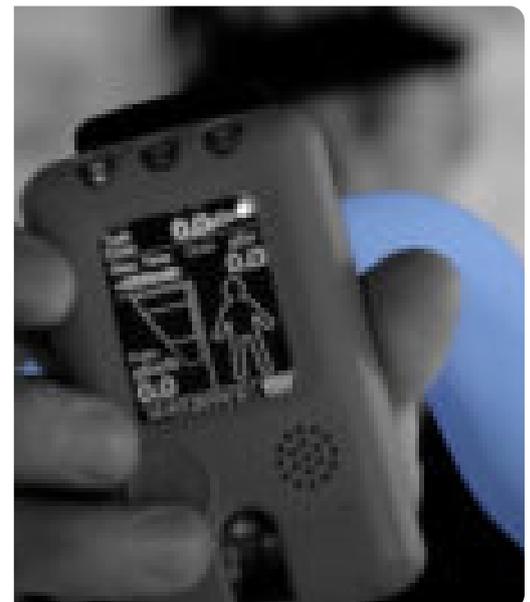
This personal electronic dosimeter has both audio and visual alarms with vibration. The dosimeter will alarm you when you reach your personally set radiation dose. Because of the extended dose range from the PED-ER, it can detect radiation up to 1 Sv/h.

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!**

← Back to partner



Stralingsdetectie > Persoonlijke elektronische dosimeters

## **PED-ER+ (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-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!**

← [Back to partner](#)



Stralingsdetectie > [Persoonlijke elektronische 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 DoseVison Live™ :

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

DoseVision Live dosimeter software Tracerco



## Partner **Polimaster**



Polimaster is wereldwijd toonaangevend in oplossingen voor stralingsdetectie en -monitoring en biedt een uitgebreid scala aan instrumenten die zijn ontworpen om ioniserende straling in diverse omgevingen te detecteren, identificeren en meten. Hun productassortiment omvat handmonitoren, persoonlijke elektronische dosimeters, draagbare isotopenidentifiers, portaalmonitoren en mobiele detectiesystemen, allemaal ontworpen om te voldoen aan de strenge eisen van beveiliging, noodhulp en industriële toepassingen.

### Product offering

**PM1703GNA-II MBT  
Personal Radiation  
Detector/Dosimeter**



**PM1703GNA-II/BT  
Personal Radiation  
Detector**



**PM1703MO-II BT  
Personal Radiation  
Detector/Dosimeter**



**PM1703MA-II/BT  
Personal Radiation  
Detector**



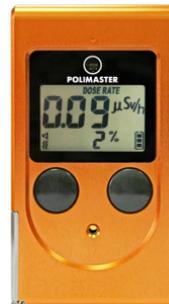
**PM1610B X-Ray and  
Gamma Radiation  
Personal Dosimeter**



**PM1610 X-Ray and  
Gamma Radiation  
Personal Dosimeter**



**PM1605BT Personal  
Radiation  
Monitor/Dosimeter**



**PoliSimeter™ ERB  
Electronic Personal  
Dosimeter**



**PoliSimeter™ ER  
Electronic Personal  
Dosimeter**



**PoliSimeter™  
Electronic Personal  
Dosimeter**



**RadFlash® Electronic  
Personal Dosimeter**





Stralingsdetectie > Persoonlijke elektronische dosimeters

## PM1703GNA-II MBT Personal Radiation Detector/Dosimeter

Gamma-neutron Personal Radiation Detector/Dosimeter.

The **PM1703GNA-II MBT** is a **gamma-neutron** modification equipped with a **Bluetooth** module and a **Geiger-Mueller counter** for extended measurement of the **personal dose rate up to 200 mSv/h** and **personal dose up to 10 Sv**.



The **PM1703@-II series** of personal radiation detectors are extremely sensitive and robust devices that detect and locate even trace amounts of radioactive materials.

Equipped with a clip for multiple wearing options and easy to operate even for non-specialists, the PRDs became the perfect fit as Radiation Pagers for public security agencies, including border control, rescue teams, police, and anti-terrorist units, and first responders that need to quickly search for radioactive materials before and during public mass events.

### Features

- ANSI N42.32-2016 and IEC 62401:2017 compliance
- NORM-suppression algorithm for differentiating color-coded alarms triggered by natural or man-made radiation materials
- Dedicated 0-9 scale mode with unitless dose rate indication allowing for ease of use and minimal training
- Personal dose accumulation up to 10 Sv
- Extended dose rate measurement ranges up to 200 mSv/h
- Operation in extreme temperatures from -40 °C to 50 °C
- Long-life alkaline or rechargeable battery for 800 hours
- Shockproof hermetic case IP65
- Audible, visual, and vibration alarms
- Free Polismart® iOS and Android app for advanced operation
- USB and Bluetooth communication



## PM1703GNA-II/BT Personal Radiation Detector

Gamma-neutron Personal Radiation Detector.

The **PM1703GNA-II** is a **gamma-neutron** modification equipped with a high-sensitive scintillator for measurement of the **personal dose rate up to 300  $\mu$ Sv/h**.

The **PM1703®-II series** of personal radiation detectors are extremely sensitive and robust devices that detect and locate even trace amounts of radioactive materials.

Equipped with a clip for multiple wearing options and easy to operate even for non-specialists, the PRDs became the perfect fit as Radiation Pagers for public security agencies, including border control, rescue teams, police, and anti-terrorist units, and first responders that need to quickly search for radioactive materials before and during public mass events.

### Features

- ANSI N42.32-2016 and IEC 62401:2017 compliance
- NORM-suppression algorithm for differentiating color-coded alarms triggered by natural or man-made radiation materials
- Dedicated 0-9 scale mode with unitless dose rate indication allowing for ease of use and minimal training
- Operation in extreme temperatures from  $-40\text{ }^{\circ}\text{C}$  to  $50\text{ }^{\circ}\text{C}$
- Long-life alkaline or rechargeable battery for 800 hours
- Shockproof hermetic case IP65
- Audible, visual, and vibration alarms
- Free Polismart® iOS and Android app for advanced operation
- USB and Bluetooth (PM1703GNA-II BT) communication





## Stralingsdetectie > Persoonlijke elektronische dosimeters

# PM1703MO-II BT Personal Radiation Detector/Dosimeter



Gamma-only Personal Radiation Detector/Dosimeter.

The **PM1703MO-II BT** is a **gamma-only** modification equipped with a **Bluetooth** module and a **Geiger-Mueller counter** for extended measurement of the **personal dose rate up to 200 mSv/h** and **personal dose up to 10 Sv**.

The **PM1703®-II series** of personal radiation detectors (PRD) are extremely sensitive and robust devices that detect and locate even trace amounts of radioactive materials.

Equipped with a clip for multiple wearing options and easy to operate even for non-specialists, the PRDs became the perfect fit as Radiation Pagers for public security agencies, including border control, rescue teams, police, and anti-terrorist units, and first responders that need to quickly search for radioactive materials before and during public mass events.

### Features

- ANSI N42.32-2016 and IEC 62401:2017 compliance
- NORM-suppression algorithm for differentiating color-coded alarms triggered by natural or man-made radiation materials
- Dedicated 0-9 scale mode with unitless dose rate indication allowing for ease of use and minimal training
- Personal dose accumulation up to 10 Sv
- Extended dose rate measurement ranges up to 200 mSv/h
- Operation in extreme temperatures from -40 °C to 50 °C
- Long-life alkaline or rechargeable battery for 1000 hours
- Shockproof hermetic case IP65
- Audible, visual, and vibration alarms
- Free Polismart® iOS and Android app for advanced operation
- USB and Bluetooth communication



## PM1703MA-II/BT Personal Radiation Detector

Gamma-only Personal Radiation Detector.

The **PM1703MA-II** is a **gamma-only** Personal Radiation Detector (PRD) equipped with a high-sensitive scintillator for measurement of the **personal dose rate up to 300  $\mu$ Sv/h**.

The **PM1703®-II series** of PRDs are extremely sensitive and robust devices that detect and locate even trace amounts of radioactive materials.

Equipped with a clip for multiple wearing options and easy to operate even for non-specialists, the PRDs became the perfect fit as Radiation Pagers for public security agencies, including border control, rescue teams, police, and anti-terrorist units, and first responders that need to quickly search for radioactive materials before and during public mass events.

### Features

- ANSI N42.32-2016 and IEC 62401:2017 compliance
- NORM-suppression algorithm for differentiating color-coded alarms triggered by natural or man-made radiation materials
- Dedicated 0-9 scale mode with unitless dose rate indication allowing for ease of use and minimal training
- Operation in extreme temperatures from  $-40\text{ }^{\circ}\text{C}$  to  $50\text{ }^{\circ}\text{C}$
- Long-life alkaline or rechargeable battery for 1000 hours
- Shockproof hermetic case IP65
- Audible, visual, and vibration alarms
- Free Polismart® iOS and Android app for advanced operation
- USB and Bluetooth (PM1703MA-II BT) communication





## Stralingsdetectie > Persoonlijke elektronische dosimeters

# PM1610B X-Ray and Gamma Radiation Personal Dosimeter

Extended range X-ray (continuous/pulsed) and gamma radiation personal dosimeter with replaceable battery.

The **PM1610B** model has an extended dose measurement range of up to 20 Sv and improved accuracy of the dose rate measurement. Instead of a rechargeable battery, this model is **powered by an AAA (LR03) battery** which is easy to replace, affordable, and safe to handle.

The **PM1610 series** of electronic personal dosimeters (**EPDs**) are intended for measurement of the personal dose equivalent  $H_p(10)$  and personal dose equivalent rate  $\dot{H}_p(10)$ . The dosimeters are suitable for multiple applications providing the measurement of X-ray (continuous and pulsed) and gamma radiation in the wide energy range.

The **PM1610** dosimeters have unique features for operation in workplaces requiring the use of personal protective equipment or in a harsh environment, including a shockproof rubberized case, a high contrast display with a fluorescent backlight, and two big buttons for easy use even while wearing protective gloves.

- Easily replaceable long-life AAA battery: at least 480 hours
- Extended energy range: from 20 keV to 10 MeV
- Wide dose and dose rate measurement ranges
- Measurement of pulsed photon radiation
- Simple navigation with two large buttons
- Audible, visual, and vibration alarms
- USB communication with PC
- Shockproof hermetic case
- Small and lightweight





# PM1610 X-Ray and Gamma Radiation Personal Dosimeter

X-ray (continuous/pulsed) and gamma radiation personal dosimeter.

The **PM1610 series** of electronic personal dosimeters (**EPDs**) are intended for measurement of the personal dose equivalent  $H_p(10)$  and personal dose equivalent rate  $\dot{H}_p(10)$ . The dosimeters are suitable for multiple applications providing the measurement of X-ray (continuous and pulsed) and gamma radiation in the wide energy range.

The **PM1610** dosimeters have unique features for operation in workplaces requiring the use of personal protective equipment or in a harsh environment, including a shockproof rubberized case, a high contrast display with a fluorescent backlight, and two big buttons for easy use even while wearing protective gloves.

## Features

- Long-life rechargeable battery: at least 650 hours
- Extended energy range: from 20 keV to 10 MeV
- Wide dose and dose rate measurement ranges
- Measurement of pulsed photon radiation
- Simple navigation with two large buttons
- Audible, visual, and vibration alarms
- USB communication with PC
- Shockproof hermetic case
- Small and lightweight





## PM1605BT Personal Radiation Monitor/Dosimeter

Ambient dosimeter for use in extreme environments.

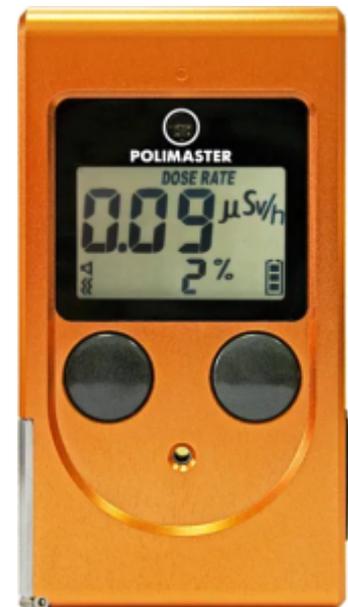
The **PM1605BT** electronic dosimeter is equipped with a Geiger-Mueller counter for extended measurement of the **ambient dose equivalent** and **ambient dose equivalent rate**. Instruments can search, detect, and locate radioactive sources, alert the user with audible, visual, and vibration alarms, and transmit stored data to a PC or smartphone.

The dosimeter is designed to withstand **extreme environmental conditions** such as limited visibility, raised noise, high temperatures, exposure to seawater, shock, and falls. Its control panel with two big buttons allows using protective gloves while operating the instrument.

The instruments are recommended for personal radiation protection of first responders, HAZMAT teams, civil defense, firefighters, and the other divisions that deal with radiological emergencies.

### Features

- IP68 case for operation in extreme environmental conditions
- Highly visible LEDs on the front and top panels for alarm indication
- Removable clip for secure fastening to a belt or a pocket
- Large buttons suitable for use with protective gloves
- Operating temperature from -30 °C to 65 °C
- Ambient dose equivalent rate up to 10 Sv/h
- Ambient dose equivalent up to 100 Sv
- Bluetooth and USB communication
- Battery lifetime of at least 9 months
- Large and easy-to-read LCD





Stralingsdetectie > Persoonlijke elektronische dosimeters

## PoliSimeter™ ERB Electronic Personal Dosimeter

X-ray (continuous/pulsed) and gamma radiation personal dosimeter with an **extended range** of dose measurement and a replaceable **battery**.

**PoliSimeter™ series** of electronic personal dosimeters (EPDs) is the **next generation** of the well-known **PM1610 series** by Polimaster, which was a trusted solution on the market for nearly 15 years, with over 20,000 dosimeters sold. Building on the legacy of the PM1610, the PoliSimeter offers enhanced capabilities for the extended measurement of **personal dose Hp(10)** and **dose rate  $\dot{H}_p(10)$**  of both continuous and pulsed X-ray and gamma radiation. The PoliSimeter is designed to meet the latest industry requirements and features a USB-C port for convenient connectivity and data transfer.

**PoliSimeter ERB model** has an **extended range** of dose measurement of **up to 20 Sv** for use in high-radiation environments, providing critical safety and monitoring functionality. Instead of a rechargeable battery, this model is powered by an **AAA battery**, which is easy to replace, affordable and safe to handle.

### Features

- Wide dose and dose rate measurement ranges
- Easily replaceable long-life AAA battery: 500 hours
- Measurement of pulsed photon radiation
- Simple navigation with two large buttons
- Audible, visual, and vibration alarms
- USB-C communication with PC
- Shockproof hermetic case
- Small and lightweight





## PoliSimeter™ ER Electronic Personal Dosimeter

X-ray (continuous/pulsed) and gamma radiation personal dosimeter with an **extended range** of dose measurement.

**PoliSimeter™ series** of electronic personal dosimeters (EPDs) is the **next generation** of the well-known **PM1610 series** by Polimaster, which was a trusted solution on the market for nearly 15 years, with over 20,000 dosimeters sold. Building on the legacy of the PM1610, the PoliSimeter offers enhanced capabilities for the extended measurement of **personal dose Hp(10)** and **dose rate  $\dot{H}_p(10)$**  of both continuous and pulsed X-ray and gamma radiation. The PoliSimeter is designed to meet the latest industry requirements and features a USB-C port for convenient connectivity and data transfer.

**PoliSimeter ER** model has an **extended range** of dose measurement of **up to 20 Sv** for use in high-radiation environments, providing critical safety and monitoring functionality.

### Features

- Wide dose and dose rate measurement ranges
- Long-life rechargeable battery: 500 hours
- Measurement of pulsed photon radiation
- Simple navigation with two large buttons
- Audible, visual, and vibration alarms
- USB-C communication with PC
- Shockproof hermetic case
- Small and lightweight





## PoliSimeter™ Electronic Personal Dosimeter

X-ray (continuous/pulsed) and gamma radiation personal dosimeter.

**PoliSimeter™ series** of electronic personal dosimeters (EPDs) is the **next generation** of the well-known **PM1610 series** by Polimaster, which was a trusted solution on the market for nearly 15 years, with over 20,000 dosimeters sold. Building on the legacy of the PM1610, the PoliSimeter offers enhanced capabilities for the extended measurement of **personal dose Hp(10)** and **dose rate  $\dot{H}_p(10)$**  of both continuous and pulsed X-ray and gamma radiation. The PoliSimeter is designed to meet the latest industry requirements and features a USB-C port for convenient connectivity and data transfer.



### Features

- Wide dose and dose rate measurement ranges
- Long-life rechargeable battery: 500 hours
- Measurement of pulsed photon radiation
- Simple navigation with two large buttons
- Audible, visual, and vibration alarms
- USB-C communication with PC
- Shockproof hermetic case
- Small and lightweight

← [Back to partner](#)



Stralingsdetectie > [Persoonlijke elektronische dosimeters](#)

## RadFlash® Electronic Personal Dosimeter



With RadFlash, the instant your radiation exposure increases, you know it. Continuous monitoring and custom alerts provide immediate, precise feedback, empowering you to react in-the-moment to changes in your exposure environment.

The dosimeter is capable of solving a wide range of personal dose monitoring tasks, including measurement of personal dose equivalent  $H_p(10)$  and personal dose equivalent rate  $\dot{H}_p(10)$  of X-ray (continuous and pulsed) and gamma radiation.

Only the best instant monitoring and alerts provide the safety professionals deserve. The RadFlash electronic personal dosimeter gives you immediate feedback, high precision, and unmatched flexibility. It's the perfect tool for minimizing risk and maximizing confidence.

### Features

- Independent alarm thresholds for both dose and dose rate
- Automatic calculation of the safe stay time in the Polismart® app
- Compatible with real-time dosimetry systems
- Miniature, lightweight design
- Intuitive single-control button
- Bluetooth integration
- Wireless charging



## Partner Bertin Technologies



Bertin Instruments is een wereldwijde leverancier van geavanceerde oplossingen voor stralingsdetectie en milieumonitoring, gespecialiseerd in draagbare monitoren, persoonlijke elektronische dosimeters, milieumonitoringsystemen en technologieën voor afval- en recyclingbeheer. Hun instrumenten zijn ontworpen om te voldoen aan de strenge eisen van nucleaire installaties, noodhulpdiensten en milieugentschappen.

### Product offering

Saphydose gamma i



← [Back to partner](#)



Stralingsdetectie > [Persoonlijke elektronische dosimeters](#)

## Saphydose gamma i

Saphydose Gamma i is an operational dosimeter measuring radiation in real time (Hp (10) X and  $\gamma$  dose).

This dosimeter is designed for people working in a controlled area (nuclear power plant, fuel reprocessing plant, research center, hospital, non-destructive testing service, etc.) or likely to be exposed (army, police, fire brigade, etc.).

It is compliant with the IEC 61526 standard for measurement of personal dose equivalents. Reliable and ergonomic, the Saphydose Gamma i is appreciated for its sturdy aluminum housing, its high resistance to electromagnetic fields and its long time battery life. It can be used individually or as part of our dosimetry management system.





## Partner **SE International**



S.E. International, Inc. is een vertrouwde Amerikaanse fabrikant van stralingsdetectie-instrumenten onder het merk Radiation Alert®. Hun productassortiment omvat gebiedsmonitoren, draagbare meetinstrumenten en persoonlijke elektronische dosimeters - elk ontworpen voor nauwkeurige, realtime stralingsmonitoring in een breed scala aan toepassingen.

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### Product offering

**Radiation Alert®  
Sentry EC**



**Rad-60 Alarming  
Dosimeter**



← [Back to partner](#)



Stralingsdetectie > [Persoonlijke elektronische dosimeters](#)

## Radiation Alert® Sentry EC

The Radiation Alert® Sentry EC is a personal alarming radiation dosimeter and rate meter, designed to safeguard personnel working in environments with potential X-ray or gamma exposure.

This pocket-sized unit features an energy-compensated tube for a linear gamma response and built-in memory for tracking accumulated exposure data. With the free SentryCom Software, you can easily generate incident reconstructions for analysis and set custom vibrating and audio alerts for dose (>1.0 mR/10 µSv) and dose rate (>1.0 mR/hr/10 µSv/hr).

An audio switch allows you to choose between audible clicks with each detected count or a discreet silent mode.



← [Back to partner](#)



Stralingsdetectie > [Persoonlijke elektronische dosimeters](#)

## Rad-60 Alarming Dosimeter

The RAD-60 is a Personal Alarming Radiation Dosimeter. It's a precise and reliable instrument for ensuring the safety of personnel. Ideally, the RAD-60 is used in stand-alone conditions for everyday radiation monitoring. The RAD-60 can also be switched into System Mode, for the purpose of tracking Personnel Dose records and generating compliance reports.

The design includes state-of-the-art technology with built in memory for retrieving dose, even during power-down. It eliminates outside interference from shock and RF. The RAD-60 is easily programmed by the user, has a digital display, and operates with a single AAA alkaline battery.

With the push of a button, you can turn the unit on/off, change the digital display to read dose or dose rate, select from several dose and dose rate alarm levels, turn the chirp function on/off, reset the integrated dose, and perform battery tests. The large digital display gives instant dose or dose rate readings with a loud audible alarm.





## Partner **Ludlum Measurements**



Ludlum Measurements, Inc. is een vertrouwde wereldwijde leverancier van instrumenten voor stralingsdetectie en -monitoring en biedt robuuste, nauwkeurige oplossingen voor personeelsveiligheid, milieubescherming en beveiligingsscreening. Sinds 1962 wordt hun apparatuur wereldwijd gebruikt in toepassingen variërend van kernenergie en noodhulp tot grensbewaking en monitoring van kritieke infrastructuur.

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### Product offering

**Model 23-1 Electronic  
Personal Dosimeter -  
Ludlum**



← Back to partner



Stralingsdetectie > Persoonlijke elektronische dosimeters

## Model 23-1 Electronic Personal Dosimeter - Ludlum

The Model 23-1 Electronic Personal Dosimeter (Ludlum) is a solid and lightweight (55.9 g/2 oz) pen-type personal dosimeter. It can be used for measuring gamma or X-ray radiation in medical and laboratory environments or other areas where personal radiation monitoring is desired or required.



### Model 23-1 Electronic Personal Dosimeter features:

- 600 record data logging option available
- low weight and slim design
- audio alarm
- silicon semiconductor detector
- gamma and X-ray (35 keV to 3 MeV)

Read more about the Model 23-1 Electronic Personal Dosimeter on the [Ludlum website](#)