ADVANCED TECHNOLOGY FOR A SAFER WORLD

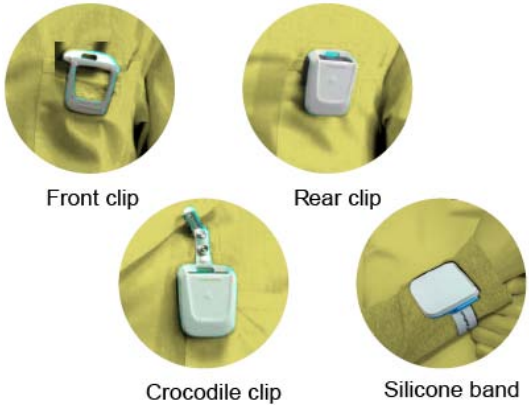
RADFlash®

x-Ray and Gamma Radiation Personal Dosimeter

Detect Now – Act Now – Stay Safe.

Real time monitoring and custom alerts provide immediate, precise feedback, empowering professionals at risk of unsafe overexposure to react in-the-moment to protect themselves from harm.

Wear it your way



FEATURES

- Real time digital device readout
- Immediate wireless data transfer
- Lightweight, compact design
- Intuitive single control button
- Easy to clean

APPLICATIONS

For all professionals who work under the risk of X–ray and gamma radiation exposure

- Medical personnel:
  - *X-ray diagnostics*
  - *Interventional radiology*
  - *Radiation diagnostics and therapy*
- Operators at radioisotope laboratories
- Medical physicists
- Customs and security officers working with X-ray inspection equipment

Flexible uses. Steadfast exposure control.

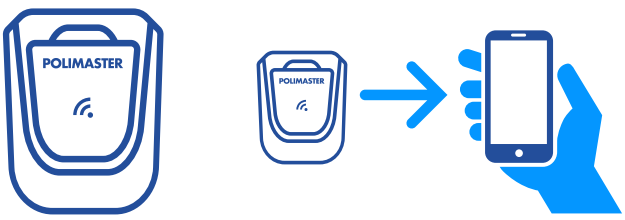
Standalone Device

The electronic dosimeter empowers the user to work independently from a system and receive real time exposure insights on the device itself. With an LCD display showing a precise readout and an alarm that alerts the user to pre-set thresholds, RadFlash provides peace of mind even when offline.

Polismart® App

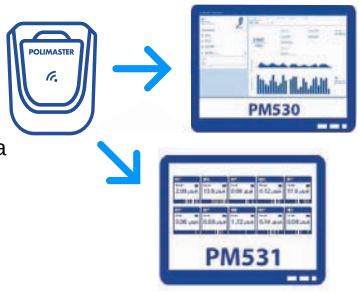
RadFlash transfers data and instrument history to the Polismart® app, which automatically calculates and displays a safe stay time near radiation hazards. Easily access the app on any smartphone, tablet, or computer.

Wireless charging



Optional Integrations

Automatically collect, monitor, and manage personnel exposure data with Polimaster's Automated Personal Dosimetry Systems (APDS).



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RADFlash®

SPECIFICATIONS

Feature	Description
SKU	PM1630
Size	2.5” x 1.97” x 0.7” 63 x 50 x 18 mm
Weight	. 50 g
Thresholds	2 independent thresholds for both DE and DER
Alarm type	Visual and audible
Communication with digital devices	Bluetooth
Automatic data logging	6000 data points
Power supply	Rechargeable battery (wireless charger provided)
Battery lifetime in run mode	≥ 2 months with Bluetooth disabled and average dose rate up to 0.3 µSv/h. ≥10 days Bluetooth enabled and average dose rate up to 0.3 µSv/h. ≥8 h with Bluetooth enabled and average dose rate up to 1.0 Sv/h
Detector	Pin diode
Measurements	Personal dose equivalent (DE) and dose equivalent rate (DER) of X-ray (continuous and pulsed) and gamma radiation
Dose equivalent (DE) measurement range	1.0 µSv.10.0 Sv ± 15 % accuracy
Dose equivalent rate (DER) measurement range	0.1 µSv/h.1.0 Sv/h ± 15 % accuracy
Energy range	15 keV - 1.5 MeV
Energy response relative to 0.662 MeV	- 29% … +45%
Minimum pulse duration of X-ray and gamma radiation	2 ms
Drop test	2 independent thresholds for both DE and DER
Ingress protection	Visual and audible
Integrations	Bluetooth

Operating conditions	Description
Temperature	-10 °C up to +50 °C
Humidity	from 84 up to 106.7 kPa
Atmospheric pressure	up to 98 % at +35 °C

RadFlash® (PM1630) is equipped with a certified transmitter module BGM13S32A (FCC ID: QOQ13, IC: 5123A–13).
The instrument complies with the requirements of IEC 61526:2010, IEC 62743:2012 and ANSI N42.20:2006.

For orders over 50 pieces, select the dosimeter case color of your choice.

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