RADFlash®

X-RAY AND GAMMA RADIATION PERSONAL DOSIMETER

Digitally signed by Botnaru Andrei
Date: 2023.11.22 09:52:07 EET
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Location: Moldova

Detect Now. Act Now.

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.

Features

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

Gamma ray measurement

X-ray measurement

Bluetooth connection

Wireless charging

Stay safe.

Contact a Polimaster representative

703.525.5075

RadFlashNow.com

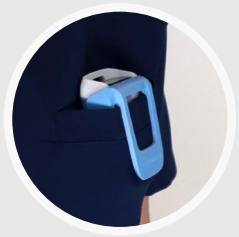
POLIMASTER®
Making the world safer

APPLICATION

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**

Wear it your way



Front clip

Rear clip

Crocodile clip

Silicone band

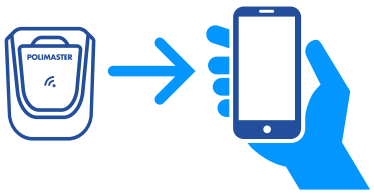
Flexible uses.
Steadfast exposure control.

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.

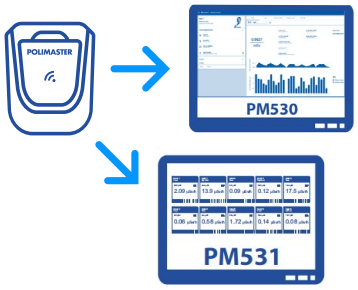
Polismart® App

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 or tablet.



Optional Integrations

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



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

SPECS

Feature	Description
Size	2.5″ x 1.97″ x 0.7″ 63 x 50 x 18 mm
Weight	≤ 50 g
Thresholds	2 independent adjustable thresholds for both dose and dose rate
Alarm type	Visual and audible
Communication with digital devices	Bluetooth
Automatic data logging	6000 events
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 Sv/h
Detector	Geiger-Muller tube
Measurements	Personal dose equivalent and dose equivalent rate of X-ray (continuous and pulsed) and gamma radiation
Dose measurement range	1 µSv – 10 Sv ±15 % accuracy
Dose rate measurement range	0.1 µSv/h – 1 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 radiation	2 ms
Drop test	1.5 m
Ingress protection	IP67
Integrations	Bluetooth

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

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

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