



POLIMASTER®
Radiation Detection Technologies



ELECTRONIC PERSONAL DOSIMETER

RadFlash®

RadFlash® series of electronic personal dosimeters offers a compact and versatile solution for personal radiation monitoring. The dosimeter measures personal dose equivalent and dose equivalent rate of X-ray (continuous and pulsed) and gamma radiation.

RadFlash comes with free desktop **PoliSync™** software and **Polismart®** mobile app, allowing users to read, save and export dosimeter history, adjust settings, reset accumulated dose, and manage devices.

The dosimeters are compatible with **real-time dosimetry systems** providing continuous measurements and timely alarms when dose limits are exceeded. This helps users react quickly and reduce the risk of overexposure.

RadFlash is available in three modifications: **RadFlash® Sv**, **RadFlash® R** and **RadFlash® mrem**.



Applications

- Healthcare workers
 - Interventional radiology
 - Medical physicists
 - Radioisotope labs
 - X-ray diagnostics
- Customs and border control officers working with X-ray inspection equipment
- Anyone working under the risk of X-ray and gamma radiation exposure

Features

- PoliSync™ software for setup and history readout
- Polismart® app for real-time exposure monitoring
- Clips and a wristband for different wearing options
- Resistance to cleaning and disinfection agents
- On-screen, audible and visual (LED) alarms
- Data transfer via Bluetooth
- Small and lightweight
- Single control button
- Wireless charging

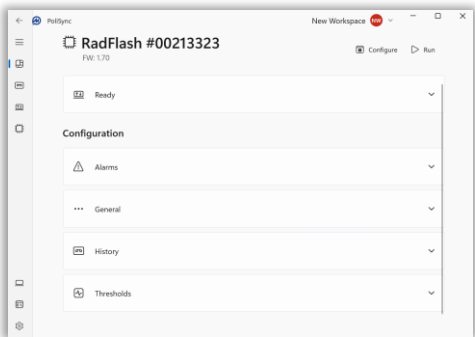


RadFlash® series
ELECTRONIC PERSONAL DOSIMETER

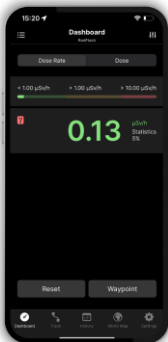


SPECIFICATIONS (RadFlash® Sv)

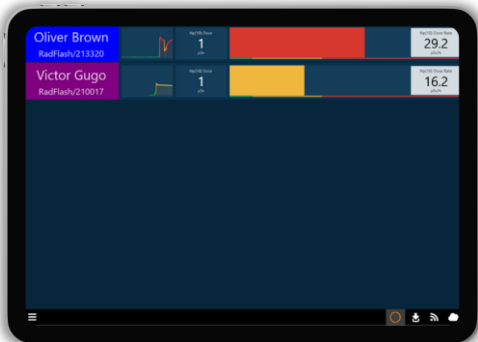
Detector		Geiger-Mueller tube	
Dose rate indication range		0.01 µSv/h to 1.2 Sv/h	
Dose rate measurement range		0.1 µSv/h to 1.0 Sv/h	
Dose rate linearity		-13 % to +18 % (IEC 61526:2024 compliant)	
Dose indication range		0.01 µSv to 12.00 Sv	
Dose measurement range		1.00 µSv to 10.00 Sv	
Accuracy (Ref. ¹³⁷Cs)		±5 % at 800 µSv/h	
Energy range		30 keV to 3 MeV	
Combined energy and angular response (Ref. ¹³⁷Cs)		-29 % to +67 % (30 keV to 1.5 MeV; 0° to 60°; IEC 61526:2024 compliant)	
Minimum pulse duration of pulsed X-ray radiation		2 ms	
Memory	6000 events	Ingress protection	IP67
Alarms	visual, audible	Drop test	1.5 m
Communication	Bluetooth 4.0	Dimensions	63 × 50 × 18 mm
Power supply	rechargeable battery	Weight with a clip	50 g
Battery lifetime		Operating conditions	
– Bluetooth off, dose rate < 0.3 µSv/h		– ambient temperature	–10 °C to 50 °C
– Bluetooth on, dose rate < 0.3 µSv/h		– atmospheric pressure	84 kPa to 106.7 kPa
		– relative humidity	up to 98 % at 35 °C



Free PoliSync™ desktop software
for history and devices management



Free Polismart®
iOS and Android App



Compatible with third-party
Real-Time Dosimetry Systems



Three clips and a silicone wrist band for multiple wearing options

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