



POLIMASTER[®]
Radiation Detection Technologies



ELECTRONIC PERSONAL DOSIMETER

RadFlash[®]

RadFlash[®] Electronic Personal Dosimeter is a miniature dosimeter capable of solving a wide range of personal dose monitoring tasks, including measurement of **personal dose equivalent** and **personal dose equivalent rate of X-ray (continuous and pulsed) and gamma radiation**.

When used with the **PoliRead[®]** Automated Personal Dosimetry System, RadFlash provides assurance that occupational radiation exposures are accurately measured, analyzed, and reported.

RadFlash is compatible with **real-time dosimetry systems** and allows for avoiding overexposure by providing real-time measurements and timely warning the wearer that the dose and dose rate thresholds are exceeded. This ensures that specialists can respond quickly and minimize potential health risks.

RadFlash is compatible with the free **Polismart[®] App** that delivers radiation exposure analytics and insights to users and enables wireless transfer, analysis, and reporting of the exposure data captured by the dosimeter. Polismart allows for tracking exposure and adjusting dosimeter settings anytime, anywhere, solely with your smartphone.

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

- Simple dose reads via smartphone or PC at any time
- Easy setup via free Polismart[®] iOS and Android app
- 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

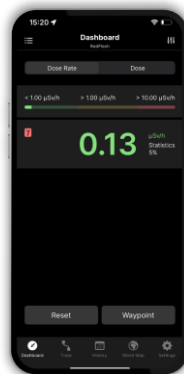


SPECIFICATIONS

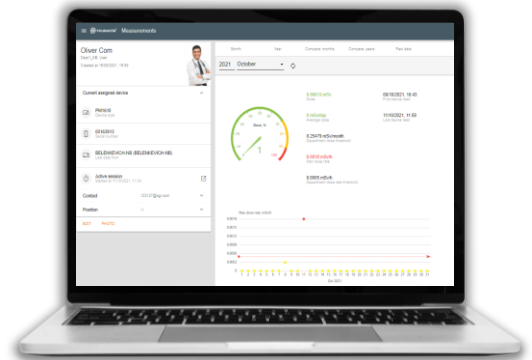
Detector	Geiger-Mueller counter		
Dose rate measurement range	0.1 µSv/h to 1 Sv/h		
Dose rate measurement accuracy	±15 %		
Dose measurement range	1 µSv to 10 Sv		
Dose measurement accuracy	±15 %		
Energy range	15 keV to 1.5 MeV		
Energy response relative to 0.662 MeV (¹³⁷Cs)	-29 % to +45 %		
Minimum 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 (FCC ID: QOQ13, IC: 5123A-13)	Dimensions ≤ 63 × 50 × 18 mm	
Power supply	rechargeable battery	Weight ≤ 50 g	
Battery lifetime	Operating conditions		
- Bluetooth off, dose rate < 0.3 µSv/h	≥ 2 months	- ambient temperature	-10 °C to 50 °C
- Bluetooth on, dose rate < 0.3 µSv/h	≥ 10 days	- atmospheric pressure	84 kPa to 106.7 kPa
- Bluetooth on, dose rate < 1 Sv/h	≥ 8 hours	- relative humidity	up to 98 % at 35 °C



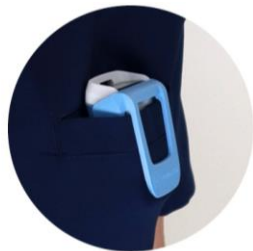
Compatible with third-party Real-Time Dosimetry Systems



Compatible with free Polismart® iOS and Android App



Compatible with PoliRead® APDS



Three clips and a silicone wrist band for multiple wearing options

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