



Innovating Radiation Detection Technologies Since 1992

GAMMA DETECTOR PM1912

RadFlash[®] II

Highly sensitive, small and efficient networked gamma detector designed in the form of the USB-flash drive with special software package Flash Radiation Monitor™

RadFlash[®] II is intended to be used by everyone concerned about radiation level and radiation safety. The device can easily be operated even by children; no special knowledge is required.





Distinguishing features:

- Network integration into the unified geo information system;
- Access to the shared radiometric database of all RadFlash[®] II integrated to the system.

After installation Flash Radiation Monitor™ receives the measured radiological data from all Radflash[®] II users and displays them in Google Maps.

Each Radflash[®] II user can monitor the radiation environment in real time.

Autonomous operation mode:

- Continuous control of ambient Dose Equivalent (DE) and ambient Dose Equivalent Rate (DER) measurements 
- Independent LED alarm
 - DER threshold is exceeded 
 - DE threshold is exceeded 
 - low battery 
- Automatic recording and storage of up to 500 of DER and DE values

PC connection mode:

- DER and DE instant read-out
- DER and DE thresholds settings
- Date and time display
- History of measurements;
- Access the radiological geo information system.
- Petite size, weight 20 g
- Built-in rechargeable battery, charging via USB
- Battery lifetime 500h
- low cost




ALARM



MEASUREMENT



**Geo information system
Flash Radiation Monitor™**



USB



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RadFlash[®] II

SPECIFICATIONS

Detector	Geiger-Muller
DER indication range (Display on personal computer in real time via USB)	0.01 μSv/h - 13 mSv/h
DER measurement range	0.1 μSv/h - 10 mSv/h
DER Accuracy	$\pm(20+K/\dot{H})\%$ where \dot{H} - DER value, μ Sv/h K - coefficient 2,0 μ Sv/h
DE measurement range	1 μSv - 10 Sv
DE Accuracy	Up to $\pm 20\%$
Energy range	0,06 - 1,33 MeV
Energy response relative to 0.662 MeV (¹³⁷Cs) within the whole energy range	$\pm 30\%$
PC communication	USB
Data collection	500 data points
Alarm types	LED indicator lights
Power	Built-in rechargeable battery (charging via USB)
Battery lifetime	500 hours at average background < 0.3 μSv/h
Temperature range	0 to +50 °C
Humidity	up to 93% at +30 °C
Water Tightness	IP20
Drop Test	1,5 m onto concrete surface
Dimensions	88 x 22 x 20 mm
Weight	20 g

Design and specifications of the device can be changed without further notice.



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