



Innovating Radiation Detection Technologies Since 1992

ELECTRONIC DOSIMETER PM1203M



We converted a simple dosimeter into a first responder's powerful tool.

The least expensive radiation monitoring solution for Homeland Security needs.

Recommended to use by Law Enforcement and Security agencies, scientists, medical and other professionals, exposed to gamma radiation.



Multipurpose professional dosimeter for continuous monitoring of the radiation environment, detection of the abnormal changes and search for ionizing radiation sources.



The PM1203M is designed to provide:

- continuous measurement of ambient dose equivalent rate of gamma radiation $H^*(10)$;
- measurement of the ambient dose equivalent of gamma radiation $H^*(10)$.
- measurement of the time of ambient dose equivalent accumulation;
- indication of time (in hours, minutes and seconds), date, month and year

Features

- Easy to use, two-buttons operation
- Light weight and small dimensions
- Measurement data storage in non-volatile memory
- IR interface, IRDA compatible
- Audible and visual alarms
- LCD display
- One year battery life
- Shockproof sealed case
- Pocket clip

Application (wide range of users and professionals)

- Customs and border patrol services
- Polices and fire rescue
- Emergency services
- Medical professionals
- Personnel of nuclear facilities
- Radiological and radionuclide isotope laboratories
- Mining industries

ALARM

MEASUREMENT



IRDA





ELECTRONIC DOSIMETER

PM1203M

SPECIFICATIONS

Detector	Geiger-Muller tube
Dose equivalent rate (DER) range	0.01 - 2000 μSv/h
DER threshold range	0.1 - 1999.99 μSv/h
Step	0.01
Dose equivalent (DE) measurement range H*(10)	0.01 - 9 999 mSv
DE threshold range	0.01 - 9 999.999 mSv
Step	0.001
Range of measurement time of dose accumulation	1 - 9999 h
Accuracy of DER measurement in the range from 0.1 to 2 000 mSv/h	$\pm (15 + 1.5/H + 0.0025H)\%$ (H is the dose equivalent rate, mSv/h)
Dose accuracy	$\pm 20 \%$
Energy range	0.06 - 1.5 MeV
Energy response relative to 0.662 MeV (Cs-137) within energy range: 0.06 - 0.662 MeV 0.662 - 1.5 MeV	$\pm 25 \%$ $\pm 15 \%$
Response time , no more than	10 s
Additional functions	PC communication mode
Power supply	Two V357 batteries
Battery lifetime	12 months
Battery discharge indication (partial and critical)	indication on LCD
Operating temperature range	from -15 up to +60° C
Dimensions	125 x 42 x 24 mm
Weight (with batteries)	90 g

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

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