

## Pocket Dosimeter PM1203M

Electronic dosimeter for measurement of gamma radiation dose and dose rate

### Main features:

- built-in alarms
- data storage
- PC communication
- simple operation
- lightweight
- belt/pocket clip



Professional Geiger-based electronic dosimeters designed for continuous measurement of gamma radiation ambient dose equivalent (DE)  $H^*(10)$  and dose equivalent rate (DER). The PM1203 is a low cost dosimeter suitable for applications including personal dose measurement and surveys of environmental radiation levels. The device incorporates both dose rate and accumulated dose alarms and flashes a warning in the event of reaching maximum instrument dose. The PM1203M features a special function to facilitate measurement of dose rate levels for ambient dose control purposes. Data are stored in a non-volatile memory and can be downloaded to a PC via an infra-red IrDA channel (software is included). A belt/pocket clip is fitted on the back of the instrument.

### Specifications:

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| Detector   | Geiger-Müller tube                           |
| DER measurement and indication range                         | 0,1 $\mu\text{Sv/h}$ - 2000 $\mu\text{Sv/h}$ |
| DER threshold range<br>-step                                 | 0.1 - 1999.99 $\mu\text{Sv/h}$<br>0.01       |
| DE measurement and indication range                          | 0.01 - 9999 mSv                              |
| DE threshold range<br>- step                                 | 0.01 - 9999.999 mSv<br>0.001                 |
| Accuracy of DE registration (in range from 0.01 to 9999 mSv) | $\pm 20\%$                                   |
| Energy range   | 0.06 - 1.5MeV                                |

Accuracy of DER registration in range 0.1 to 4000  $\mu\text{Sv/h}$ , where H is DER value  $\pm (15+1.5/H)+0.0025H\%$

Response time, no more than 10 s

Power supply 2 x V357 batteries (included)

Dimensions 125 x 42 x 24 mm

Weight (with battery) 90 g

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