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Innovating Radiation Detection Technologies Since 1992

WRIST GAMMA INDICATOR PM1208M



The PM1208M Wristwatch Gamma Radiation Indicator is the next generation of the well-known PM1208 series of wrist gamma radiation dosimeters.

The PM1208 series of dosimeters have proven to be effective, accurate and dependable instruments. They are often instruments of choice when 24/7 of the radiation environment and acute dose is required and have been deployed all around the world.

The PM1208 Wristwatch Gamma radiation Indicator incorporates a sensitive Geiger-Muller gamma detector with a stylish wristwatch, combining a leading edge dosimeter technology with Swiss tradition of the watch making. An audible alarm alerts the user when a potential radiation hazard exceeds adjustable radiation threshold levels. The instrument contains non-volatile memory to keep the measured data until they are downloaded to a PC via built-in IR interface.



Main features:

- Stylish design combined with professional grade dosimeter
- Indicates dose/dose rate and dose accumulation time
- Audible alarm when preset adjustable radiation thresholds are exceeded
- Logs data in internal non-volatile memory up to 500 data points
- Communicates with a PC via a built-in IR channel
- Full wristwatch functionality: time and alarm clock functionality
- Independently displays time on digital display and analog faceplate
- Electroluminescent backlight
- Water resistant up to 100m
- Two-level battery voltage control

The PM1208M is a perfect combination of comfort, effectiveness and modern design which is capable to protect you and those you are care about. You will wear it everywhere: at home, at work, on the travel and even under the water.

ALARM

MEASUREMENT



IRDA



WRIST GAMMA INDICATOR

PM1208M

SPECIFICATIONS

Detector	Geiger-Muller tube
Dose equivalent rate (DER) registration and indication range	0.01-9999,99 µSv/h
DER threshold range Step	0.01-9999,99 µSv/h 0.01; 0.1; 1; 10; 100
Accuracy of DER in the range 0.1-9999,99 µSv/h, no less	±20%
Dose equivalent (DE) registration and indication range	0.001-9999,999 mSv
DE threshold range Step	0.001-9999 mSv 0.001; 0.01; 0.1; 1; 10; 100
Accuracy of DE in the range 0.01-9999,999 mSv, no less	±20%
Energy range	0.06-1.5 MeV
PC communication	IrDA (57.6 kb/s)
Quartz watch movement	Ronda 763
Electronic quartz watch movement accuracy under normal conditions	±1 s/h
Operating conditions	Temperature 0 °C to +45 °C RH up to 95 % (40 °C)
Case Protection Class	IP68
Power supply	Lithium battery CR 2032
Battery lifetime (typical)	18 months
Water resistant	up to 100 m
Dimensions	50x45x20 mm
Weight (without bangle)	100 g max.

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

PM1208M meets most relevant parts of IEC 60846 standard