



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

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

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

**PM1208M meets most relevant parts of IEC 60846 standard**