



Innovating Radiation Detection Technologies Since 1992

WRIST GAMMA INDICATOR PM1208M



The PM1208M Wristwatch Gamma Radiation Detector is the latest version of the well-known PM1208 series of radiation detectors.

The PM1208 series of detectors have proven to be effective, accurate, and dependable and are in use throughout the world. When twenty-four-hour monitoring of the radiation environment is a must, the PM1208M is the radiation detector most often chosen. The PM1208M Wrist Gamma Indicator combines a Geiger-Muller gamma detector and a stylish wrist watch.

The PM1208M Wristwatch Gamma Radiation Detector incorporates a sensitive Geiger-Muller gamma detector with a stylish wristwatch. The PM1208M combines leading edge dosimeter technology with a highly accurate wristwatch that anyone would be proud to wear. An audible alarm alerts the wearer when a potential radiation hazard exceeds the safe radiation threshold. The PM1208M also contains a nonvolatile memory that stores measured data that may be downloaded to a personal computer through a built-in infrared interface for database processing and analysis.

Main features:

- Protects 24/7 from radiation
- Indicates dose, dose rate and dose accumulation time
- Logs data in internal nonvolatile memory: up to 500 data points
- Communicates with a PC through a built-in infra red channel
- Contains both digital and analog scales for dose and dose rate
- Displays current time and date digitally
- Displays current time on an analog watch face
- Back lighted with electroluminescence
- Contains an alarm clock feature
- Sounds an audible alarm when the preset radiation threshold is exceeded
- Water resistant to 100 m
- Two-level battery voltage control



The PM1208M is a perfect combination of comfort, effectiveness, and modern design. You will wear it everywhere to protect yourself and those you care about at home, at work, while traveling, everywhere you are, even under 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 uSv/h |
| DER threshold range Step | 0.01-9999.99 uSv/h 0.01;0.1;1;10;100 |
| Accuracy of DER in the range 0.1-9999.99 uSv/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 |
| IR adapter (IR-210B or ACT-IR220L) | Optional, supplied on request |
| Operating conditions | Temperature 0 °C to +45 °C RH up to 95 % (40 °C) |
| Ingress 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**