

PERSONAL RADIATION **DETECTOR/DOSIMETER**

PM1621M PM1621MA

PM1621M/PM1621MA are unique personal electronic radiation detector/dosimeter which is capable to detect and search for radiation source as well as monitor for dose accumulation.

Recommended to use by first responders and Homeland Security professionals who must be able to detect and locate the radiation source as well as determine the users's exposure levels to gamma and X-ray radiation sources.

PM1621M/PM1621MA is designed to provide continuous measurement of:

- Personal dose equivalent rate of external gamma and X-ray radiation
- Personal dose equivalent of external gamma and X-ray radiation
- Time of dose accumulation

PM1621M/PM1621MA series instruments are also designed to search for radiation sources as regular Portable radiation Detectors with the response time corresponding to

ANSI N42.33 type 2 standard

Applications:

PM1621M/PM1621MA can operate as independent field units or in conjunction with other instruments as part of a system. In this way they provide efficient everyday and emergency monitoring of the personnel and facilities where is the risk of exposure to external X-ray or gamma radiation.







ALARM







Features

- Combines Personal Radiation Detector and Dosimeter functionality
- Easy to use, two-button operation
- Shows the user accumulated dose
- Four independent dose and dose rate alarm thresholds
- Allows searching for radiation sources
- Vibration/Audible/Light Alarms
- Wide energy and dose rate range
- PC communication by IR interface
- Storage of 1000 events history
- Shockproof hermetic case
- Light weight and small dimensions

PM1621M/PM1621MA

Instruments have a unique combination of radiation detection and dose accumulation capabilities. They are perfect low cost solution for first responding agencies giving them opportunity to detect and evaluate radiation levels as well as determine exposure levels form gamma and X-ray radiation sources, alerting user when preset thresholds for the dose and/or dose rate levels are exceeded.





Innovating Radiation Detection Technologies Since 1992

PORTABLE RADIATION DETECTOR PM1621M/PM1621MA

Advanced Geiger-Muller tube
0.01 μSv/h - 0.2 Sv/h 0.01 μSv/h - 2 Sv/h
Two thresholds within all DER measurement range
0.01 μSv - 9.99 Sv
Two thresholds within all DE measurement range
±(15 + 0.0015/H + 0.01H)% H is the dose equivalent rate, mSv/h
±15%
10 keV - 20 MeV
±30%
4s - at increase
 PC communication mode Vibration alarm Sound operations mode 85 dB(A) at 1 foot Metal belt clip
1000 point data log (adjustable recording intervals from 1 second)
one battery AA
12 months
indication on LCD
- 40 + 60 °C 70 - 106.7 kPa
IP67
1P67 87 x 72 x 35 mm

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

Meets most relevant parts of IEC 61526, and ANSI N42.20

Sales North and South America

Polimaster Inc. 2300 Clarendon Boulevard, Suite 708 Arlington VA, 22201, USA Phone: +1 703 525-5075 Fax: +1 703 525-5079

E-mail: info@polimaster.us

Sales Europe

Polimaster Instruments UAB 125, Kalvariju St., 3P3/p building, Vilnius, LT-08221, Republic of Lithuania Phone: +370 5 210 23 23 Fax: +370 5 210 23 22

E-mail: polimaster@polimaster.lt

Sales Asia, Africa, Australia and Oceania

Polimaster Ltd. 112, Bogdanovich St.,
Minsk, 220040, Republic of Belarus
Phone: +375 17 217 70 80
Fax: +375 17 217 70 81

E-mail: polimaster@polimaster.com