



POLIMASTER[®]



Innovating Radiation Detection Technologies Since 1992

ELECTRONIC DOSIMETER PMT605



Up-to-the-minute technology for First Responders, HAZMAT teams and Firefighters.

A new instrument is designed for the needs of firefighters, emergency responders, civil defense and for the use in other similar divisions.

The unit is specially designed to withstand extreme environmental hazards of low visibility and loud noise, temperature, immersion, shock.

Control panel with two big buttons allows to use protective gloves while operating the instrument.



Features

- Metal enclosure is resistant to extremes of temperature up to 100 °C for 2 minutes, water immersion, including salt-water at the depth of 1 m not less than for 2 hours
- Ingress Protection Rating IP68
- Operating temperature -30 up to +65 °C (from -22 up to +149 °F)
- Large, easy-to-read backlit LCD display
- An option to switch measuring units: Sv or R
- USB Interface
- Standard AA batteries or a rechargeable battery
- Battery lifetime 12 months

Alarms

- Bright visual alarm
- Audible alarm 85 dBA at 30 cm
- Vibration alarm

ALARM

LOCATION

MEASUREMENT



USB

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ELECTRONIC DOSIMETER

PM1605

SPECIFICATIONS

Detector	Geiger-Mueller tube
Dose rate (DER) measurement	0.1µSv/h - 10Sv/h (10µR/h - 999R/h)
DER accuracy	± 15%
Dose (DE) measurement	0.01 µSv - 9.99 Sv (1µR - 999 R)
DE accuracy	± 15%
Energy range	0.059 - 3 MeV
Energy response relative to 0.662 MeV (¹³⁷Cs)	± 30%
Survive after momentary influence of maximum permissible gamma radiation within 5 min:	100 Sv/h (10 000 R/h)
Alarm type	Audio, Visual, Vibration
Physical Parameters: Dimensions Weight (including battery)	114x62x20 mm (4.48x2.44x0.78 in) 260 g (0.57 lb)
Environmental Characteristics: Temperature Environmental protection Drop test Water resistant	-30 up to +65 °C (-22 up to +149 °F) IP68 1.5 m (4.9 ft) up to 1 m (3.3 ft)
Power: Batteries Battery discharge control	One AA battery Pictogram on LCD
PC Communication	USB
Memory	2000 data points

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



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