

Electronic Personal Dosimeter

- Light Weight and Slim Design
2 oz. 4.3" L x 1.2" W x .5" D
- X-ray and Gamma Radiation Monitoring
- Audible Alarm



Specifications:

Radiation Detected:	Gamma and X-ray (35 keV to 3 MeV)
Detector:	Silicon semiconductor
Measurement and Display Range	
Accumulated Dose:	0.1 mrem to 99.99 rem (<i>automatically deleted when switched 'On'</i>) 0.001 mSv to 999.9 mSv
Dose Rate*:	0.1 mrem/hr to 99.99 rem/hr 0.001 mSv/h to 999.9 mSv/h
Display:	4-digit OLED with indicators for dose, dose rate, operating time and alarm
Accuracy:	$\leq \pm 10\%$ (0.01 to 999.9 mSv (1.0 mrem to 99.99 rem), 137Cs)
Energy Response:	$\leq \pm 20\%$ (60 keV to 1.5 MeV, 137Cs)
Angular Response:	$\leq \pm 20\%$ (Up to ± 60 degree vertical and horizontal, 137Cs)
Dose Rate Linearity*:	$\leq \pm 10\%$ (137Cs)
Alarm Volume:	Approximately 60 dB (at 20 cm)
Environment:	-10 to 40 °C (14 to 104 °F) $\leq 90\%$ relative humidity (non-condensing)
Power:	One each coin-type lithium battery (CR2450, P/N 21-8639)
Battery Life:	720 hours (without alarm / communication)

*Note: The instrument indicates rough value for dose rate measurements in low radiation fields, such as less than 1 mSv/h (100 mrem/h), so it should only be used for reference.

PTI-EPDR

Electronic Personal Dosimeter, mR

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