



Features of the palmRAD:

- Reliable Geiger-Mueller detector
- Compact, rugged and watertight, outfitted with belt clip
- Easy to use interface for non-technical personnel
- Reports critical dose and stay-time data
- Stores event data in internal memory
- Allows data download to a PC for processing and analysis

Applications:

Hospitals, nuclear power plants, radiation safety officers, industrial monitoring, government research labs, HAZMAT, university labs, X-ray technicians, waste processing



palmRAD Model 1621M

The palmRAD 1621M is the only simple to use radiation dosimeter with advanced features designed for non-technical personnel in government, law enforcement or the public sector at low cost. Its ability to detect and measure gamma radiation with user-selectable alarms makes this device ideal for volume deployment into most industrial, medical or emergency response applications.

In the event of a radiological emergency, first response teams equipped with the 1621M can effortlessly monitor a wide area for radiological hot zones by simply clipping the unit to their utility belt. The 1621M, in its ultra small shock resistant and watertight package, will alert the operator through a discreet vibration or audible alarm anytime it detects gamma radiation. The presence of the 1621M will provide the end user with assurance that their personal health and safety are being monitored and they can focus on more immediate tasks. The instrument is designed to efficiently communicate to the user both critical stay time and personal dose rate information that encompasses the lowest levels of natural background.

Tests have shown the unit is more sensitive and responsive than commonly used Geiger-Mueller radiation detection pagers. Ease of use, sensitivity and durability under harsh environmental conditions make the 1621M a robust and essential tool in the most demanding emergency response situations.

This instrument meets IEC 61526 standards for radiation protection survey instruments. Data—including the alarm event and time, and level of alarm exceedance relative to the preset threshold—for up to 1000 incident histories may be stored in the non-volatile memory of this instrument. All of this data may be transmitted to a PC through the IR-channel for processing, analysis and control.

INSTRUMENT SPECIFICATIONS:

Detector	Geiger-Mueller tube
Dose equivalent rate measurement range (DER) Hp(10)	10 μ R/hr - 100 R/hr (0.1 μ Sv/hr - 1 Sv/hr)
Energy range	10 keV - 20 MeV
Energy response relative to 0,662 MeV (Cs-137) within the full energy range	\pm 30%
Drop test on concrete floor	0.7 m
Protection class	IP67
Environmental tolerances:	
- temperature	from -40 up to +60°C
- relative humidity	up to 98% at 35°
Power supply	One AA alkaline battery
Battery lifetime (at natural conditions)	12 months
Battery discharge indication (partial and critical)	LCD indication
Dimensions	87 x 72 x 35 mm
Weight (with battery)	no more than 150 g