



World-Class Radiation Detectors

Alpha • Beta • Gamma • X Radiation

For a Safer World



Radalert 200™ Radiation Survey Meter for First Responders



First Responders appreciate the Radalert 200 slide switches - Intuitive and Easy to Operate with firefighting gloves and other PPE.

The Radalert 200 is a rugged solution for monitoring both ambient and elevated levels of ionizing radiation in challenging environments. Simplified user interface requires minimal training. Detects and measures alpha, beta, gamma, and X-radiation. Data is displayed in your choice of counts per minute (CPM), $\mu\text{Sv/hr}$ or mR/hr, or in accumulated counts. A red LED blinks and a beeper chirps with each count (can be muted). An audible alert sounds when the radiation reaches a user-adjustable level.

- Detect potential hazards immediately
- Minimize personal radiation exposure
- Monitor an area or perimeter
- Detect radiation leaks
- Detect concealed radioactive materials
- Survey Transportation Incidents
- Protect your community during radiological incidents
- Ensure regulatory compliance
- Support Hazmat operations

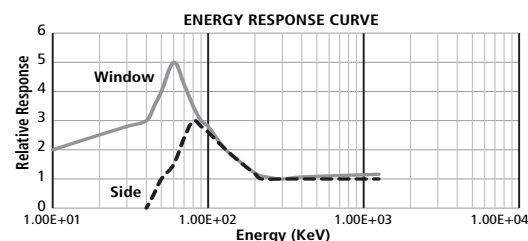
*** Please note that International Medcom can customize the label with your department logo on request.



Technical Specifications

Detector:	Halogen-quenched Geiger-Mueller detector (LND 712) Mica end window density is 1.5–2.0 mg/cm ² Side wall is 0.012" #446 stainless steel Detects Alpha, Beta, Gamma, and X-radiation
Display:	4-digit liquid crystal display with mode indicators
Operating Range:	µSv/hr: .000 to 2000 mR/hr: .000 to 200 CPM: 0 to 350,000 CPS: 0 to 3,500 Total: 0 to 9,999,000 counts
Calibration:	Cesium-137 (gamma)
Gamma Sensitivity:	1,200 CPM/mR/hr referenced to Cs-137
Accuracy:	±10% typical; ±15% maximum
Alert Range:	µSv/hr: .001 to 500 mR/hr: .001 to 50 CPM: 1 to 350,000 CPS: 1 to 3,500 Beeper sounds the alert
Timer:	Can set sampling periods of 1 minute to 40 hours
Averaging Periods:	Display updates every 3 seconds, showing the average for the past 60-second time period at normal levels. The averaging period decreases as the radiation level increases.
Count Light:	Red LED flashes with each count
Audio:	Beeper chirps for each count (can be muted)
Ports:	<ul style="list-style-type: none"> Output: Stereo 3.5 mm jack sends signal to standard headset, computers, data loggers: Nominal 6V pulse 1 kOhm impedance. Input: 2.5 mm mono jack provides calibration input. 0–3.3 V, > 5 µs width, rising edge triggered.
Anti-Saturation:	Readout holds at full scale in fields up to 100 times the maximum reading
Temperature Range:	-20° to +50° C, -4° to +122° F
Power:	1 AA alkaline battery provides over 2,000 hours of battery life at normal background radiation levels (3 to 6 months of continuous use is typical).
Size:	150 x 80 x 30 mm (5.9" x 3.2" x 1.2")
Weight:	225 grams (8 oz) including battery
Certifications:	CE Certified; Emissions: EN 55011:2009 +A1:2010 (Class B emissions limits); EN 61326-1:2006 (Class B) RF Emissions; Immunity: EN 61326-1:2006 (Annex C) Portable Test and Measurement Equipment; EN 61000-4-2:1995 (ESD); EN 61000-4-3:1997 (EM); RoHS Compliant; Meets WEEE standards
Optional Accessories:	Computer Software and Cable; Red Protect® Boot; Wall Mount Holder; GeigerLink™ Kit

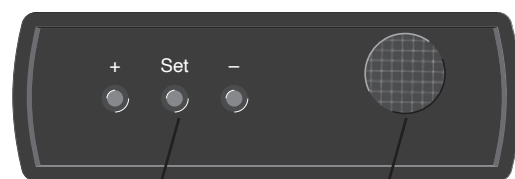
Specifications subject to change without notice.



LCD Display



End Panel



Back

Alert Switches

Alpha Window



Please remember to use caution when handling or working around radiation sources and radioactive materials.



Please note: Radalert® and Protect® are registered trademarks of International Medcom.

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