



## 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

<b>Detector:</b>	Halogen-quenched Geiger-Mueller detector (LND 712) Mica end window density is 1.5–2.0 mg/cm <sup>2</sup> Side wall is 0.012" #446 stainless steel Detects Alpha, Beta, Gamma, and X-radiation
<b>Display:</b>	4-digit liquid crystal display with mode indicators
<b>Operating Range:</b>	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
<b>Calibration:</b>	Cesium-137 (gamma)
<b>Gamma Sensitivity:</b>	1,200 CPM/mR/hr referenced to Cs-137
<b>Accuracy:</b>	±10% typical; ±15% maximum
<b>Alert Range:</b>	µSv/hr: .001 to 500 mR/hr: .001 to 50 CPM: 1 to 350,000 CPS: 1 to 3,500 Beeper sounds the alert
<b>Timer:</b>	Can set sampling periods of 1 minute to 40 hours
<b>Averaging Periods:</b>	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.
<b>Count Light:</b>	Red LED flashes with each count
<b>Audio:</b>	Beeper chirps for each count (can be muted)
<b>Ports:</b>	<ul style="list-style-type: none"> <li>Output: Stereo 3.5 mm jack sends signal to standard headset, computers, data loggers: Nominal 6V pulse 1 kOhm impedance.</li> <li>Input: 2.5 mm mono jack provides calibration input. 0–3.3 V, &gt; 5 µs width, rising edge triggered.</li> </ul>
<b>Anti-Saturation:</b>	Readout holds at full scale in fields up to 100 times the maximum reading
<b>Temperature Range:</b>	-20° to +50° C, -4° to +122° F
<b>Power:</b>	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).
<b>Size:</b>	150 x 80 x 30 mm (5.9" x 3.2" x 1.2")
<b>Weight:</b>	225 grams (8 oz) including battery
<b>Certifications:</b>	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
<b>Optional Accessories:</b>	Computer Software and Cable; Red Protect® Boot; Wall Mount Holder; GeigerLink™ Kit

Specifications subject to change without notice.

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



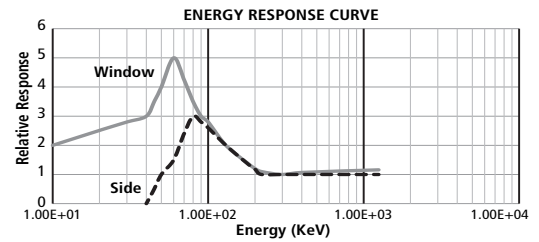
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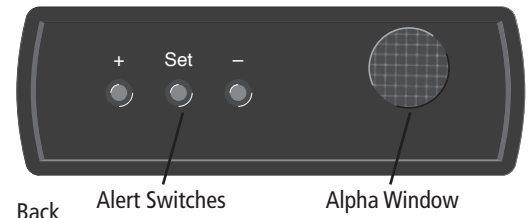
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LCD Display



End Panel



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