Model Radalert 100X™

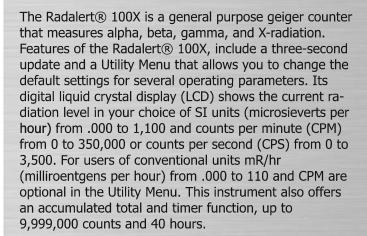
Radiographic Survey Meters

model Radalert 100Xtm



Features:

- Display- 4 digit liquid crystal display with mode indicators
- Monitor personal radiation exposure
- Monitor an area or perimeter
- Detect radiation leaks and contamination
- Ensure regulatory compliance
- Meets CE Certification, RoHS compliant and WEEE standards
- Demonstrate principles of nuclear physics
- Check for radioactive minerals in the earth
- Size: 150 x 80 x 30 mm (5.9" x 3.2" x 1.2")
 Weight: 225 grams (8.0 oz) w/battery



Sensor: Halogen-quenched Geiger-Mueller detector Mica end window density is 1.5-2.0 mg/cm² Side wall is 0.012" #446 stainless steel Detects Alpha, Beta, Gamma, and X-radiation Accuracy: $\pm 10\%$ typical; $\pm 15\%$ max. (μ Sv/hr and mR/hr modes) Alert: User-adjustable alert level to 500 μ Sv/hr and

60,000 CPM. Beeper sounds the alert Anti-Saturation: Readout holds at full scale in fields up to

100 times the maximum ready
Audio: Beeper chirps for each count (can be muted)

Calibration: Cesium- 137 (gamma)

Count Light: Red LED flashes with each count Detector: Halogen-quenched Geiger-Mueller detector-

Mica end window density is 1.5-2.0 mg/cm² Side wall is 0.012" #446 stainless steel

Detects Alpha, Beta, Gamma, and X-radiation Gamma Sensitivity: 1,000 CPM/mR/hr referenced to

Cs-137

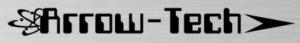
Operating Range:mR/hr: .000-110; CPM: 0-350,000; μ Sv/hr: .000-1,100; CPS: 0-3,500; Total: 0-9,999,000 counts

Timer: up to 40 hours

Output: Stereo 3.5 mm jack sends counts to computers, data loggers, other CMOS-compatible devices, headphones and educational data collection systems. Input: Mono 2.5 mm jack provides electronic calibration input. 0-3.3 V, >5 µs width, rising edge triggered. Power: One 9-volt alkaline battery; average battery life is 2,000 hours at typical, 700 hours minimum at normal background radiation levels at sea level. Battery life decreases as radiation level rises.

Sensitivity: 1000 cpm/mR/hr referenced to Cs-137





www.dosimeter.com