Features:

- Display- 4 digit liquid crystal display with mode indicators
- Quickly alerts user to the presence of harmful levels of nuclear radiation
- Detects noble gases and low energy radionuclides
- Automatically compensates for GM tube dead time
- Will not jam in high radiation fields
- Meets CE Certification, RoHS compliant and WEEE standards
- Size: 150 x 80 x 30 mm (5.9” x 3.2” x 1.2”)
  Weight: 323 grams (11.4 oz) w/battery

The IMI Inspector Alert™ V2 measures alpha, beta, gamma and x-radiation using a 2-inch “pancake” GM detector with high sensitivity to common beta and alpha sources. The easy-to-read digital display shows readings in your choice of µSv/hr, mR/hr, CPM, or CPS. The Total/Timer feature allows timed readings from one minute to 40 hours for precise measurement of low level contamination. An audible alert sounds when the radiation reaches a user-adjustable level.

Sensor: Halogen-quenched Geiger-Mueller tube. Effective diameter 1.75” (45 mm). Mica window density 1.5-2.0 mg/cm²

Accuracy: ± 10% typical; ±15% maximum
Alert: µSv/hr: 0 to 500; mR/hr: 0 to 50; CPM: 0 to 160,000; Beeper sounds the alert
Anti-Saturation: Readout holds at full scale in fields up to 100 times the maximum reading
Audio: Beeper chirps with each radiation event (can be muted)
Averaging Periods: Display updates every 3 seconds, showing the average for the past 30-second time period at normal levels. The averaging period decreases as the radiation level increases.

Count Light: Red LED flashes with each count
Detector: Halogen-quenched Geiger-Mueller tube. Effective diameter 1.75” (45 mm). Mica window density 1.5-2.0 mg/cm² Detects Alpha, Beta, Gamma, and X-radiation
Efficiency: For 4 pi at contact
Beta C-14 (49 keV avg. 156 keV max.): 5.3% Bi-210 (390 keV avg. 1.2 MeV max.): 32% Sr-90 (546 keV and 2.3 MeV): 38% P-32 (693 keV avg. 1.7 MeV max.): 33%; Alpha Am-241 (5.5 MeV): 18%; Gamma Sensitivity: 3500 CPM/mR/hr referenced to Cs-137 Smallest detectable level for I-125 is .02 mCi at contact
Manual: IMI Inspector Alert™ V2 Surface Contamination Meter
Operating Range: µSv/hr: .01 to 1,100 mR/hr: .001 to 110 CPM: 0 to 350,000 CPS: 0 to 5,000 Total: 1 to 9,999,000 counts

Ports: Output: Stereo 3.5 mm jack sends counts to computers, data loggers, other CMOS-compatible devices, earphones, and educational data collection systems. 0-9 V, 1 kOhm impedance. Input: 2.5 mm mono jack provides calibration input. 0-3.3 V, > 5 µs width, rising edge triggered.
Power: One 9-volt alkaline battery; battery life is average 2,000 hours typical, 700 hours minimum at normal background radiation levels at sea level. Battery life decreases as radiation level rises.

www.dosimeter.com