The Inspector is a small, handheld, microprocessor-based instrument which offers excellent sensitivity to low levels of alpha, beta, gamma, and x-rays. The digital readout is displayed with a red count light and a beeper sounds with each count detected. Other features include an adjustable timer, external calibration controls and adjustable alert.

**Detector**

Internal Halogen-quenched, uncompensated GM tube with thin mica window, 1.4-2.0 mg/cm² areal density. Effective diameter of window is 45 mm (1.75 in.).

Radiation symbol on front label marks the center of the detector.

**Averaging Periods**

Display will update every 3 seconds. At low background levels, the update is the moving average for the past 30-second time period. The timed period for the moving average decreases as the radiation level increases.

**Operating Range**

- mR/hr - .001 (1µR) to 100
- CPM - 0 to 350,000
- µSv/hr - .01 to 1000
- CPS - 0 to 5000
- Total/Timer - 1 to 9,999,000 counts

**Accuracy (Cs₁³⁷)**

- mR/hr ±10% typical (NIST), ±15% max - 0 to 100
- µSv/hr ±10% typical (NIST), ±15% max - 01 - 1000
- CPM ±10% typical (NIST), ±15% max - 0 to 350,000

**Energy Sensitivity**

Detects Alpha down to 2 MeV. Detects Beta down to .16 MeV; typical detection efficiency at 1 MeV is approx. 25%. Detects Gamma down to 10 KeV through the end window. 3340 CPM/mR/hr (Cs₁³⁷). Smallest detectable level for I¹²⁵ is .02 µCi at contact.
Inspector
Handheld Radiation Alert® Detector

Display
4 digit liquid crystal display with indicators.

Alert Set Range
mR/hr .001 - 50 and CPM 1 - 160,000. 70db @ 1m.

Count Light
Red LED flashes with each radiation event.

Audio Indicator
Internally mounted beeper (can be switched off for silent operation)

Outputs
Dual miniature jack drives CMOS or TTL devices: count to computer or datalogger.
Submini jack input allows for electronic calibration

Anti-Saturation
Meter will hold at full scale in fields as high as 100 times the maximum reading.

Power Requirements
One 9-volt alkaline battery. Battery life is approx. 2160 hours at normal background.

Temperature Range
-10° to 50°C (14° to 122°F)

Weight
Inspector: 273 g (9.6 oz.) without battery.

Size
150 x 80 x 30 mm (5.9 x 3.1 x 1.2 in.).

Includes
Carrying Case, CE Certification

Limited Warranty
1 year limited, 90 day Warranty on GM Detector

Wipe Test Plate Available

The open endpanel of the optional Xtreme Boot provides easy access to the buttons and switches.