

Inspector Xtreme

Handheld Radiation Alert® Detector

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The Inspector Xtreme offers maximum performance in a lightweight, rugged solution for using your survey meter in the field. The Inspector Xtreme is designed specifically for individuals operating in tough environments, such as 1st Responders, miners, and HAZMAT crews. The unit 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 selectable 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 (1.77 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
(Referenced to Cs-137)

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.



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

SE. INTERNATIONAL INC



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RADIATION[®]

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Inspector Xtreme

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: 275 grams (9.7 oz.) without battery.

Size

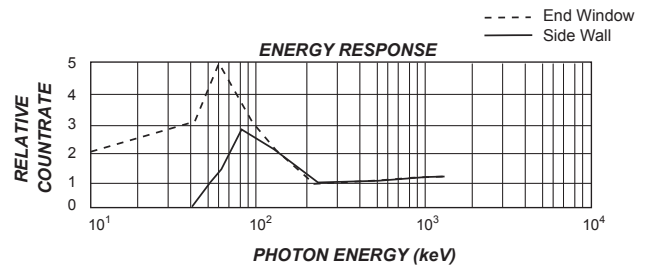
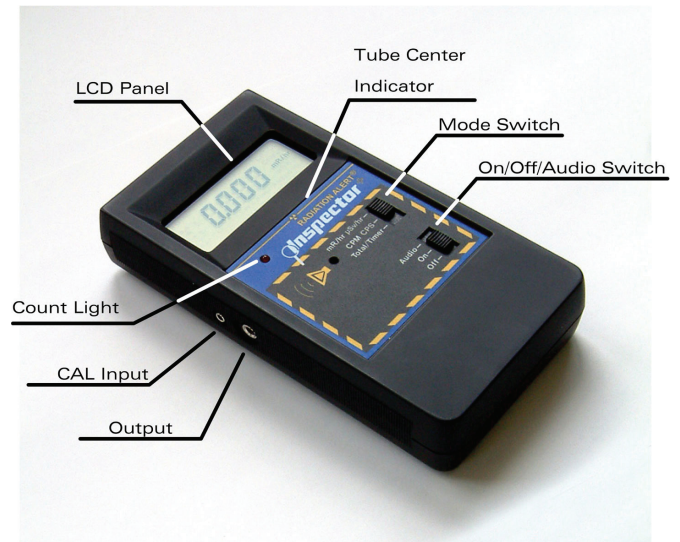
178 x 95 x 41 mm (7 x 3.8 x 1.6 in.)

Includes

Carrying Case, CE Certification

Limited Warranty

1 year limited, 90 day limited warranty on GM Tube



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