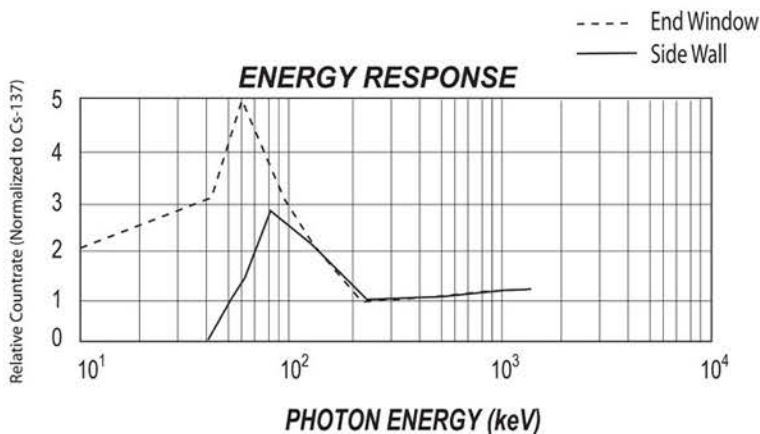




model
SE-INSPECTOR

Features:

- Microprocessor-based radiation detection meter with 4-digit, LCD display of millirem (mR) per hour and function indicators
- Detects low levels of alpha and beta particles, and gamma and x-rays for a range of ionizing radiation type detection
- Built-in, adjustable timer indicates radiation level increases



Inspector Handheld Digital Radiation Alert® Detector

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.

Gamma Sensitivity

3340 CPM/mR/hr referenced to Cs137. Smallest detectable level for I-125 is .02 μ Ci at contact. Timer can set 1 minute sampling periods from 1 to 10 minutes.

Operating Range

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

Accuracy

mR/hr \pm 10% typical (NIST), \pm 15% max - 0 to 100
 μ Sv/hr \pm 10% typical (NIST), \pm 15% max - .01 - 1000
 CPM \pm 10% typical (NIST), \pm 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 μ Ci at contact.

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°C to 50°C (14°F to 122°F)

Weight

Inspector: 273 grams (9.6 oz.) without battery.

Size

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