

Model Inspector XTREME

Radiographic Survey Meters



model
INSPECTOR XTREME

Features:

- Radiation detector used for surveying low levels of potentially harmful ionizing particles and rays in tough environments such as first responder situations, HAZMAT environments, and in mining
- 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
- Comes with a protective rubber boot that provides open access to end panel

Inspector Xtreme Handheld Digital Radiation Alert® Detector

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.

Specifications:

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.

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.

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

mR/hr ±10% typical (NIST), ±15% max - 0 to 100
µSv/hr ±10% typical (NIST), ±15% max - .01 - 1000
CPM ±15% max - 0 to 350,000
(Referenced to Cs-137)

Display

4 digit liquid crystal display with indicators.

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.

Alert Set Range

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

