

Model Inspector EXP+

Radiographic Survey Meters

model

SE-INSPECTOR+ EXP W/EP



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 EXP+ Handheld Digital Radiation Alert® Detector

The Inspector EXP+ was designed to meet the requirements of emergency response personnel. It has the same valuable features, small size, and quality of the Inspector. However, instead of the built-in detector, it has the added versatility of an external probe.

The carrying case has a clear window panel providing full view of the readout, count light, access to the switches, and a convenient belt loop for carrying the instrument. A small pocket is provided for a check source. The protective probe cover on the uniquely designed carrying case folds easily out of the way to allow one-handed operation if desired.

Gamma Sensitivity

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

Operating Range

mR/hr - .001 (1µR) to 100 mR/hr 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 ±10% typical (NIST), ±15% max - 0 to 350,000
 (Referenced to Cs137)

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.

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.)

