Now with USB and the included Observer USB Software, you can download your data from the internal memory, set computer alarms, and calibrate your instrument! The Inspector<sup>USB</sup> Handheld Digital Radiation Alert<sup>®</sup> Detector is a small, microprocessor based survey meter which offers excellent sensitivity to low levels of alpha, beta, gamma, x-rays, and built in efficiencies for common isotopes to calculate activity in Bequerels and DPM.

**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 (1 µR) to 100
- µSv/hr: .01 to 1000
- Total/Timer: 1 - 10,000,000 counts

**Accuracy (Cs<sup>137</sup>)**
- 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 (Cs<sup>137</sup>), Smallest detectable level for I<sup>125</sup> is .02 µCi at contact.
Inspector

USB

HANDHELD RADIATION ALERT & DETECTOR

Display
Backlit 4 digit liquid crystal display with indicators.
Display updates every 3 seconds.

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 and
counts to computer or datalogger.
USB for use with Observer USB Software for PCs

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

Built-In Efficiencies
\(^{3}Sulfur (S35), ^{90}Strontium (Sr/y90), ^{137}Cesium (Cs137),
^{32}Phosphorus (P32), ^{14}Carbon (C14), ^{131}Iodine (I131),
^{60}Cobalt (Co60), and Alpha

Power Requirements
One 9-volt alkaline battery. Battery life is approx.
1200 hours at normal background.

Temperature Range
-10°C to 50°C (14°F 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, Certification of
Conformance,
Observer USB Software

Options
Xtreme Boot, Wipe Test Plate, & Stand

Limited Warranty
1 year limited warranty

SE. INTERNATIONAL INC

PACIFIC-TEC SCIENTIFIC PTE LTD

33 Ubi Avenue 3, #06-48 Vertex, SINGAPORE 408868
Tel: (65) 6342 1530  Fax: (65) 6342 1531
Email: sales@pacific-tec.sg  Website: www.pacific-tec.sg
Company and G&T Registration No.: 200704040Z

USB Observer Software collects data stored in the internal memory of The InspectorUSB

Wipe Test Plate Available

The Xtreme Boot option provides easy access to the buttons.