





Free Observer USB Software
Free Observer BLE Software For Use With The
Optional Bluetooth Module

Detector

alert.

RAP-RS2 Probe - External Halogen-quenched, uncompensated GM tube with thin mica window, 1.4-2.0 mg/cm2 areal density. Effective diameter of window is 45 mm (1.75 in.).

Operating Range

mR/hr - .001 to 100 CPM - 0 to 350,000 μ Sv/hr - .01 to 1000 CPS - 0 to 5,000 Timed Count - 1 to 9,999K (9,999,000) counts

Energy Sensitivity

3340 CPM/mR/hr referenced to Cs137

- 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 tube window.
- \bullet Smallest detectable level for I125 is .02 μCi at contact.

Built-In Efficiencies

³⁵Sulfur (S35), ⁹⁰Strontium (Sr/y90), ¹³⁷Cesium (Cs137), ³²Phosphorus (P32), ¹⁴Carbon (C14), ¹³¹Iodine (I131), ⁶⁰Cobalt (Co60), and Alpha

Accuracy

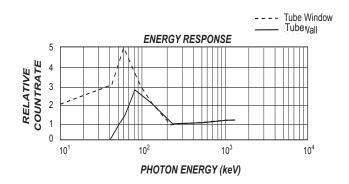
(Referenced to Cs137) Typically ±15% from factory, ±10% with NIST Source Calibration

Display

Graphic LCD with Backlight

Alert Set Range

mR/hr .001 - 100 and CPM 1 - 350,000



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RADIATION A L E R T®

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Count Light

Red LED flashes with each radiation event

Audio Indicator

Internally mounted beeper. 70db @ 1m. (Can be switched off for silent operation.)

Size

140 X 68 X 33 mm (5.5 X 2.7 X 1.3 in.)

Probe: 260 X 70 X 25 mm (10.25 X 2.75 X 1 in)

Outputs

USB and Bluetooth 4.1 (Optional) with included Observer Software Family for PC and Android OS.

Anti-Saturation

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

Power Requirements

Two AA alkaline batteries. Approx. 800 hrs @ background.

Temprerature Range

-10° to +50°C (14° to 122°F)

Includes

RAP-RS2 External GM Probe, 3ft BNC Cable, Carrying Case, Xtreme Boot, Stand, Batteries, Mini-USB Cable, Observer USB Software Download, Certificate of Conformance

Options

NIST Calibration

Bluetooth module available for use with Obsever BLE software and Rad Responder

Limited Warranty

1 year limited warranty



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