

RADIATION ALERT[®] Monitor 200

α β γ x



The Monitor 200 measures alpha, beta, gamma, and x-rays. Its digital display shows readings in your choice of CPM, CPS, $\mu\text{Sv/hr}$, mR/hr, or in accumulated counts. It has a digital display, a red count light, and a beeper that sounds with each count detected. Other features include an adjustable timer, and selectable alert.

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

Detector

Halogen-quenched GM tube with thin mica end window. Mica window density 1.5-2.0 mg/cm². Effective window diameter is .360 inch. Side wall is .012 inch thick.

Operating Range

mR/hr - .001 (1 μR) to 200 mR/hr

$\mu\text{Sv/hr}$ - .01 to 2000

CPM - 0 to 235,400

CPS - 0 to 3923

Timed Count - 1 to 9,999K (9,999,000) counts

Accuracy

Typically $\pm 15\%$ of reading. $\pm 10\%$ typical (NIST)

Alert Set Range

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

Internally mounted beeper. 70db @ 1m.

(Can be switched off for silent operation.)

Count Light

Red LED flashes with each count.

Outputs

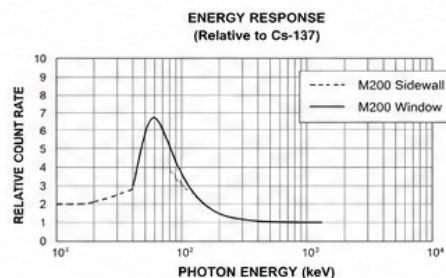
USB and Bluetooth 4.1(optional) for use with included Observer Software and Apps (RadResponder Ready)



Energy Sensitivity

1070 CPM/mR/hr referenced to Cs137

- Detects alpha down to 2.5 MeV; typical detection efficiency at 3.6 MeV is greater than 80%.
- Detects beta at 50 keV with typical 35% detection efficiency.
- Detects beta at 150 keV with typical 75% detection efficiency.
- Detects gamma and x-rays down to 10 keV typical through the tube window, 40 keV minimum through the case.



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Size

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

Display

Backlit Graphic LCD

Audio Indicator

Sounds with each count (can be switched off for silent operation)

Anti-Saturation

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

Power Requirements

2 AA alkaline batteries. Approx. 500 hrs @ background.

Temperature Range

-10° to +50°C (14° to 122°F)

Includes

Carrying Case, Xtreme Boot, Stand, Mini-USB Cable, Observer USB Software Download, Certificate of Conformance

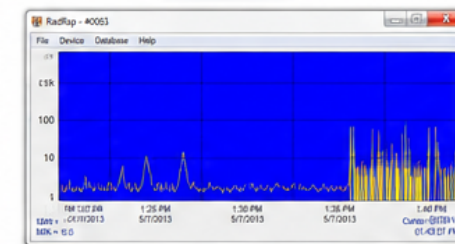
Options

NIST Calibration

Bluetooth module available for use with Observer BLE software and CBRN Responder

Limited Warranty

1 year limited warranty



USB Observer Software collects data stored in the internal memory of The Monitor 200



Ruggedized boot and Stand Included



**One Stop
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