RADIATION ALERT™
Monitor 200
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Monitor 200 measures alpha, beta, gamma, and x-rays. Its digital display shows readings in your choice of CPM, CPS, µSv/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. The free Observer USB Software allows you to set alarms, select preferences, and download your collected data. The Bluetooth and Observer BLE App enables saving, sharing, and automation of surveys and RadResponder compatibility.

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 (1µR) to 200 mR/hr
µSv/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 ±15% of reading. ±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
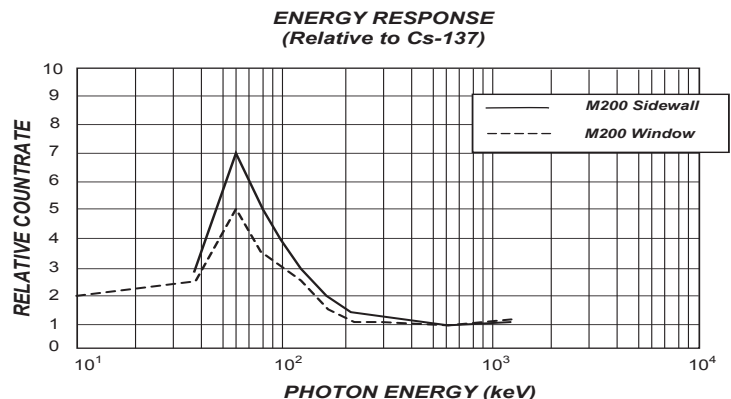USB and Bluetooth 4.1 for use with included Observer Software and Apps (RadResponder Ready)

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

Energy Sensitivity
1070 CPM/mR/hr referenced to Cs^{137}
- 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.

ENERGY RESPONSE
(Relative to Cs-137)

M200 Sidewall
M200 Window

RELATIVE COUNTRATE
PHOTON ENERGY (keV)

SE INTERNATIONAL, INC.

RADIATION
A • L • E • R • T

RADIATION ALERT™
Monitor 200

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
USB or 2 AA alkaline batteries. Approx. 500hrs @ background.
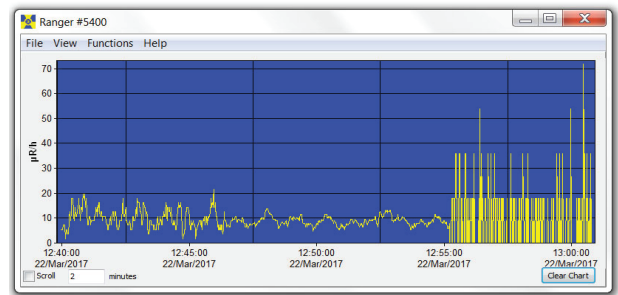
Includes
Carrying Case, Xtreme Boot, Stand, Mini-USB Cable, Observer USB Software Download, Certificate of Conformance

Options
NIST Calibration

Limited Warranty
1 year limited warranty

LED Indicator — Backlit LCD Display

0.180 µSv/h

Alarm Button
Audio Speaker
Mode Button
Backlight / Plus Button
Menu Button

Power / Enter Button
Count Button
Audio / Minus Button
USB Port

RADIATION ALERT™ Monitor 200

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

Ranger #5400

File View Functions Help

Ruggedized boot and Stand Included

SE INTERNATIONAL. INC.

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