

RADIATION ALERT™

Monitor 200

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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. With the free Observer USB Software Family, you can set computer alarms, calibrate your instrument, and download your collected data from the internal memory for easy reporting!

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
 Total/ Timer - 1 to 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 for Observer USB Software Family

Display

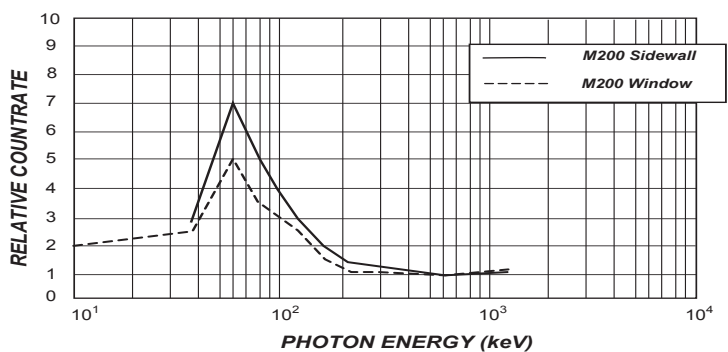
Backlit Graphic LCD

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 window, 40 keV minimum through the case.

ENERGY RESPONSE
 (Relative to Cs-137)



SE INTERNATIONAL, INC.



P.O. Box 39, 436 Farm Rd. Summertown, TN 38483

1-800-293-5759

Fax: 931-964-3564

www.seintl.com

radiationinfo@seintl.com



RADIATION
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RADIATION ALERT™ Monitor 200

Size

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

Weight

6.4 oz (0.4 lbs.)

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

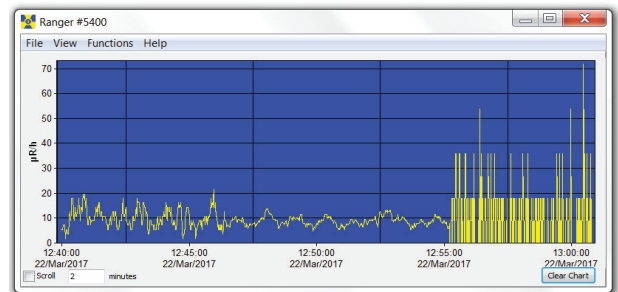
2 AA alkaline batteries

Includes

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



Ruggedized boot and Stand Included



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



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