

# RADIATION ALERT Monitor 200



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/cm<sup>2</sup>. Effective window diameter is .360 inch. Side wall is .012 inch thick.

## Operating Range

mR/hr - .001 (1 $\mu\text{R}$ ) to 200 mR/hr  
 $\mu\text{Sv/hr}$  - .01 to 2000  
 CPM - 0 to 214,000  
 CPS - 0 to 3575  
 Total/Timer - 1 to 9,999,000 counts

## Accuracy

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

## Alarm

Internally mounted beeper  
 (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)

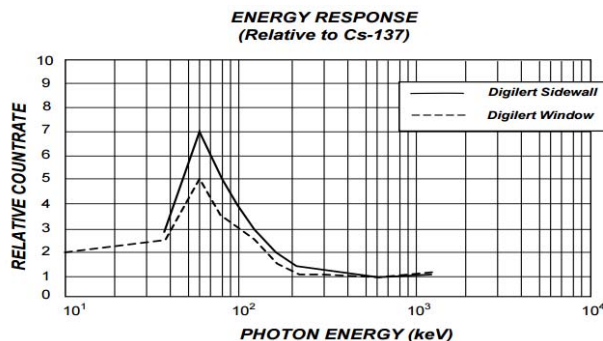
## Size

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

## 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.



# Monitor 200

## Display

Backlit Graphic LCD

## Audio Indicator

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

## Anti-Saturation

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

## Power Requirements

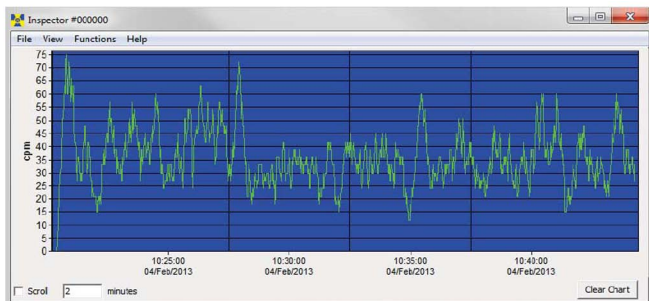
Two AA alkaline batteries.

## Includes

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

## Limited Warranty

1 year limited warranty





USB Observer Software collects data stored in the internal memory of the SEI Ranger



Ruggedized Boot and Stand included with every unit.



	NEW!	
		
	Monitor 200	Digilert 200
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Alert	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Internal Memory	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Free Observer USB	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GM Detector	Internal	Internal
Included Protective Boot	<input checked="" type="checkbox"/>	
mR/hr	.001(1µR) to 200	.001(1µR) to 200
µSv/hr	-.01 to 2000	-.01 to 2000
mSv/hr	n/a	n/a
Counts Per Minute	0 to 214,000	0 to 214,000
Counts per Second	0 to 3575	0 to 3575