

# RADIATION ALERT™

## Monitor 1000<sup>EC</sup>

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The Monitor 1000ec measures gamma, and x-rays. Perfect for most applications requiring an energy compensated detector. Users can choose from readings of CPM, CPS,  $\mu\text{Sv/hr}$ , mR/hr, or in accumulated counts. It has a red count light, a beeper that sounds with each count detected, and includes an adjustable timer, and selectable alert. With the free Observer Software for PCs and Android OS, you can automate and record readings for easy reporting!



### Detector

Energy Compensated Halogen-quenched GM tube.

### Operating Range

mR/hr - .001 (1 $\mu\text{R}$ ) to 1000 mR/hr

$\mu\text{Sv/hr}$  - .01 to 10000

CPM - 0 to 450,000

CPS - 0 to 7500

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

### Humidity Range

10% to 70% Non-Condensing

### Accuracy

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

### Alert Set Range

mR/hr .001 - 1000 and CPM 1 - 450,000 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 with included Observer Software Family for PC and Android OS.

### Size

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

### Energy Sensitivity

450 CPM/mR/hr referenced to Cs<sup>137</sup>

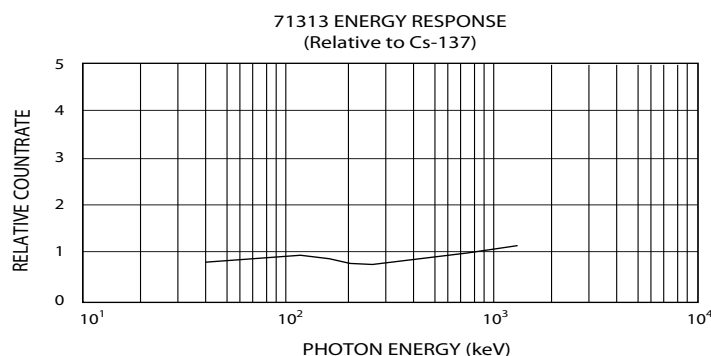
- Detects gamma and x-rays down to 40 keV.
- Response is flat from 40 keV up.

### Display

Backlit Graphic LCD

### Audio Indicator

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



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## 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.

## Includes

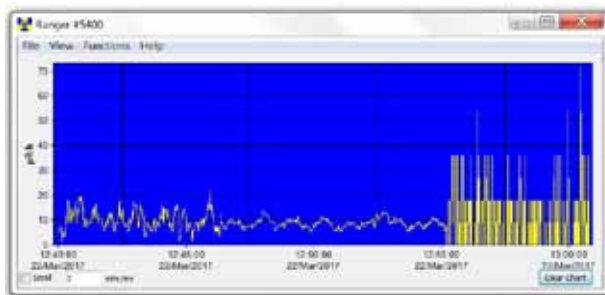
Carrying Case, Xtreme Boot, Stand, Mini-USB Cable, Observer USB Software Download, Certificate of Conformance

## Options

NIST Calibration

## Limited Warranty

1 year limited warranty



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



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