RADIATION ALERT™
Monitor 1000^{EC}

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The Monitor 1000^{EC} measures gamma, and x-rays. Perfect for most applications requiring an energy compensated detector. Users can choose from readings of CPM, CPS, μSv/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. 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
Energy Compensated Halogen-quenched GM tube.

Operating Range
mR/hr - .001 (1μR) to 1000 mR/hr
μSv/hr - .01 to 10000
CPM - 0 to 450,000
CPS - 0 to 7500
Timed Count - 1 to 9,999K (9,999,000) counts

Accuracy
Typically ±15% of reading. ±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 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.)
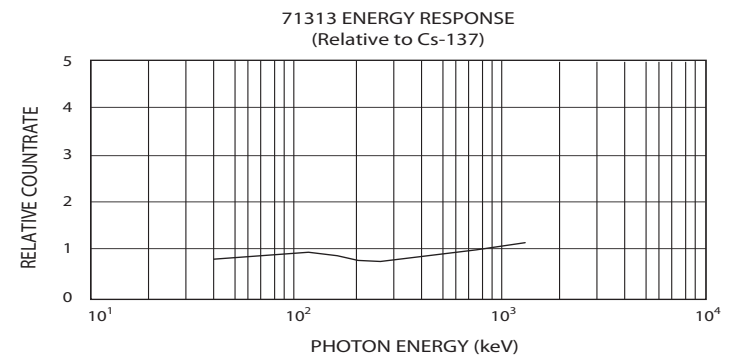
Energy Sensitivity
450 CPM/mR/hr referenced to Cs^{137}
• Detects gamma and x-rays down to 40 keV.
• Response is flat from 40 keV up.

Display
Backlit Graphic LCD

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

71313 ENERGY RESPONSE
(Relative to Cs-137)

X-axis: PHOTON ENERGY (keV) — 10^1 to 10^4. Y-axis: RELATIVE COUNTRATE — 0 to 5

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USB Observer Software collects data stored in the internal memory of The Monitor 1000EC

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

Power Requirements
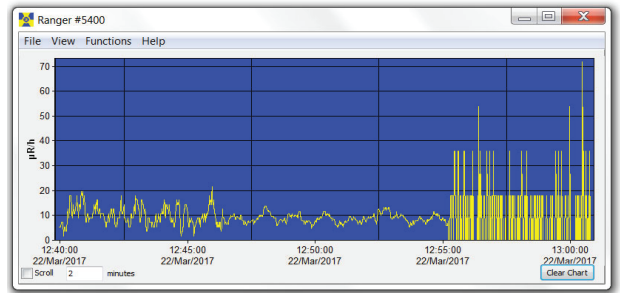USB or 2 AA alkaline batteries. Approx. 800 hrs @ background.

Includes
Carrying Case, Xtreme Boot, Stand, Mini-USB Cable, Lanyard, Certificate of Conformance, Observer USB for PCs and Observer BLE for Android Download

Options
NIST Calibration

Limited Warranty
1 year limited warranty

- LED Indicator
- Backlit LCD Display
- Alarm Button
- Power / Enter Button
- Audio Speaker
- Count Button
- Mode Button
- Audio / Minus Button
- Backlight / Plus Button
- USB Port
- Menu Button