

model
Monitor 1000^{EC}



Ruggedized boot and
Stand included

Features:

- Backlit Graphic LCD
- Sounds with each count (can be switched off for silent operation)
- Anti-Saturation-Readout will OVERRANGE in radiation fields as high as 100 times the maximum reading.
- Requires 2 AA alkaline batteries
- Includes carrying case, Extreme Boot, Stand, Mini-USB cable, Observer USB Software download, Certificate of Conformance
- Limited 1 year warranty

Monitor 1000^{EC}

The Monitor 1000^{EC} is an energy compensated radiation detector that 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!

Energy Compensated Halogen-quenched GM tube.
Operating Range

mR/hr – .001 (1 μR) to 1000 mR/hr

$\mu\text{Sv/hr}$ – .01 to 10000

CPM – 0 to 450,000

CPS – 0 to 7500

Total Counts – 1 to 9,999,000 counts

Accuracy

Typically $\pm 15\%$ from factory, $\pm 10\%$ (NIST)

Anti-Saturation

Readout will OVERRANGE in radiation fields as high as 100 times the maximum reading.

Energy Sensitivity

450 CPM/mR/hr referenced to Cs137. Detects gamma and x-rays down to 40 keV. Response is flat from 40 keV up.

Selectable Alert Set Range

mR/hr .001 – 1000 and CPM 1 – 450,000. Pulsating beeper sounds the alert. Adjustable alert levels are used for mR/hr / CPM, and $\mu\text{Sv/hr}$ / CPS. 70db @ 1m. Alarm will sound when in Timer Mode when set alarm threshold is reached.

