

RADIATION ALERT[®]

Monitor 1000^{EC}



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, $\mu\text{Sv/hr}$, 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.

Free Observer USB Software
Free Observer BLE Software For Use With The
Optional Bluetooth Module



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

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.

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 (optional) for use with included Observer Software and Apps (RadResponder Ready)

Display

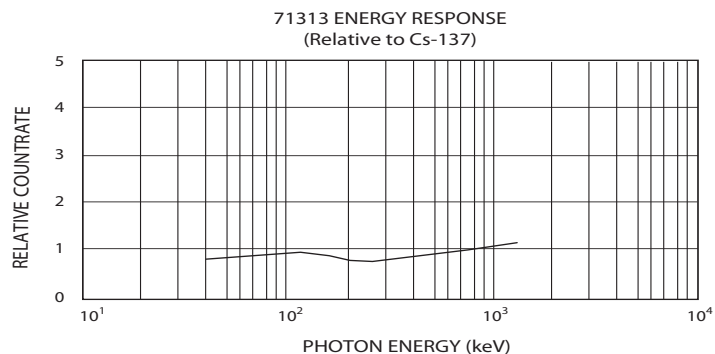
Backlit Graphic LCD

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.



S.E. INTERNATIONAL, INC.

excellence in radiation detection - α β γ x

RADIATION ALERT[®]

1.931.964.3561

www.seintl.com

radiationinfo@seintl.com



RADIATION ALERT[®] *Monitor 1000^{EC}*

Size

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

Power Requirements

2 AA alkaline batteries. Approx. 800 hrs @ background.

Temperature Range

-10° to +50°C (14° to 122°F)

Includes

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

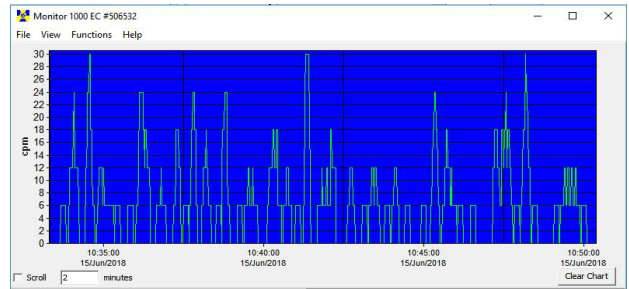
Options

NIST Calibration

Bluetooth module available for use with Obsever BLE software and Rad Responder

Limited Warranty

1 year limited warranty



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



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