DORGEAN
Beijing Dorgean Electronic Technology Co.,Ltd

Instrument Expert
Original factory packaging
www.dorgean.com

RADIATION A L E R T ™
Monitor 1000 ᴱᶜ
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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, 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. 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 (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

Humidity Range
10% to 70% Non-Condensing

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 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^{137}
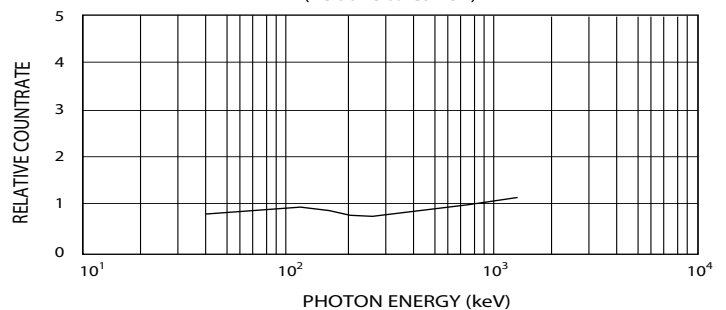• Detects gamma and x-rays down to 40 keV.
• Response is flat from 40 keV up.

Display
Backlit Graphic LCD

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

71313 ENERGY RESPONSE
(Relative to Cs-137)

RELATIVE COUNTRATE

PHOTON ENERGY (keV)

SE INTERNATIONAL, INC.

se INTERNATIONAL

RADIATION A•L•E•R•T ®

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RADIATION ALERT™
Monitor 1000 EC

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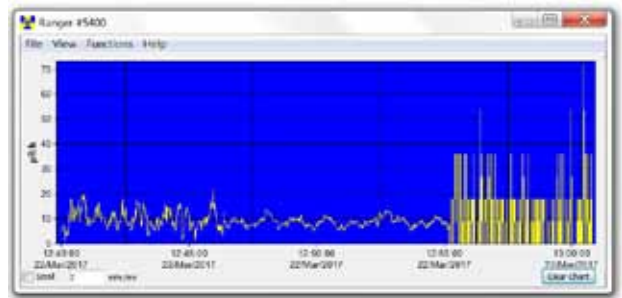
Includes
Carrying Case, Xtreme Boot, Stand, Mini-USB Cable, Observer USB Software Download, Certificate of Conformance

Options
NIST Calibration

Limited Warranty
1 year limited warranty

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

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

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