Monitor 4

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The M4 and M4EC are compact, ergonomic, general purpose survey meters capable of detecting alpha, beta, gamma, and x-rays over 3 selectable ranges. A red count light flashes and a beep sounds with each event detected. The Monitor 4EC offers a more linear reading for gamma and x-rays (above 40 keV).

Detector
Monitor 4: Halogen-quenched uncompensated GM tube with thin mica window 1.5-2.0 mg/cm^2 thick.
Monitor 4EC: Halogen-quenched GM tube, energy compensated sidewall 2mm tin filter. Thin mica window 1.5-2.0 mg/cm^2 thick.

Energy Sensitivity
1000 CPM/mR/hr (Cs^{137}). 4EC is the same as M4 except the energy response for gamma and x-rays through the detector sidewall is flat within +61% or -26% over the range of 40 keV to 100 keV, and within +35% or -17% over the range of 100 keV to 1.3 MeV.

Operating Range
0-.5, 0-5, 0-50 mR/hr
0-500, 0-5,000, 0-50,000 CPM or
0-5, 0-50, 0-500 µSv/hr (SI Scale Meter Option)

Accuracy
Typically ±15% of reading (Cs^{137})

Display
Analog Meter holds full scale in fields as high as 100X maximum reading. CPM & mR/hr scale. Optional SI Scale Meter Available

M4 with CPM & mR/hr meter scale

Attenzione: la versione europea da noi venduta quella con scala in µSv/hr e non in CPM

RADIATION
A·L·E·R·T

Monitor 4

Audio Indicator
Internally mounted beeper
Power Requirements
9-volt alkaline approx. to 2,000 hrs at background
Temperature Range
-20° to 55°C (-4° to 131°F).
Weight
M4: 200 g (7.1 oz)
M4EC: 224 g (7.9 oz)
Outputs
Dual miniature jack drives CMOS or TTL devices: count to computer or datalogger. Submini jack input allows for electronic calibration. USB versions of the M4 and M4EC have a mini-USB jack for use with the USB Observer Software.

The end window of the M4

Size
209 x 71 x 50 mm (8.2 x 2.8 x 1.9 in.)
Includes
Carrying Case w/ Belt Clip
Options
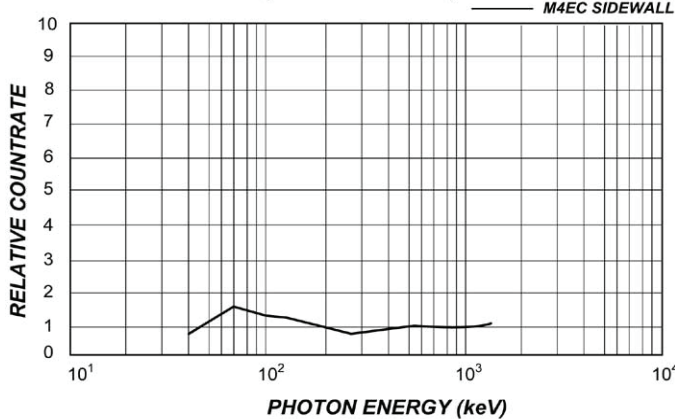SI Meter Option, Observer Software, Mini-USB Option with USB Observer Software
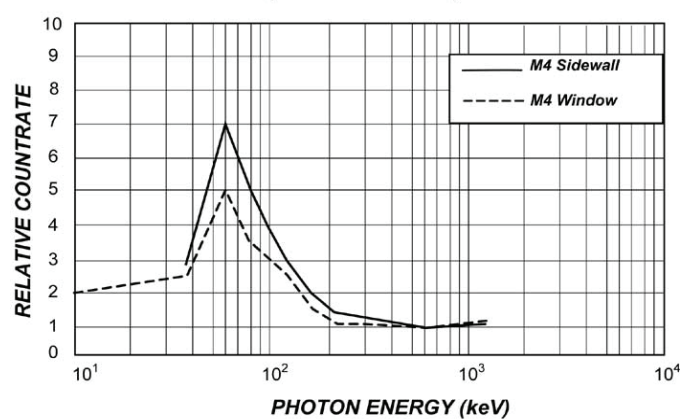**Limited Warranty**
1 year limited warranty

Optional SI Meter Scale: 0-500 µS/hr & 0-50 mR/hr

ENERGY RESPONSE
(Relative to Cs-137)
M4EC SIDEWALL

RELATIVE COUNTRATE
PHOTON ENERGY (keV)

ENERGY RESPONSE
(Relative to Cs-137)
M4 Sidewall
M4 Window

RELATIVE COUNTRATE
PHOTON ENERGY (keV)

RADIATION
A·L·E·R·T