

Monitor 4 & 4EC

OPTIONAL MINI-USB WITH OBSERVER SOFTWARE AVAILABLE

a β y x



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/cm² thick.

Monitor 4EC: Halogen-quenched GM tube, energy compensated sidewall 2mm tin filter. Thin mica window 1.5-2.0 mg/cm² thick.

Energy Sensitivity

1000 CPM/mR/hr (Cs¹³⁷). 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 (Cs¹³⁷)

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



RADIATION
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QUALITY HANDHELD DETECTORS



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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 and M4EC

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

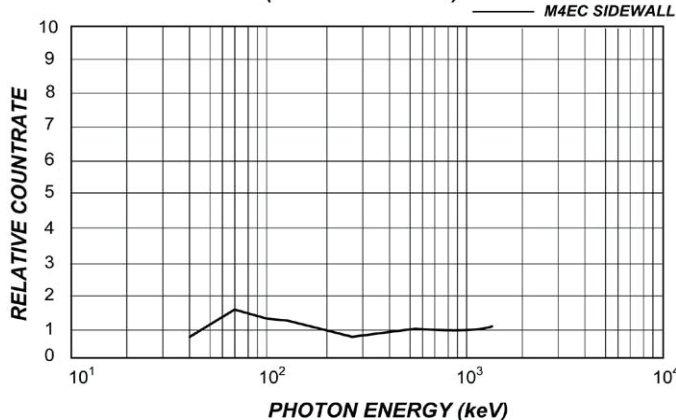
Limited Warranty

1 year limited warranty

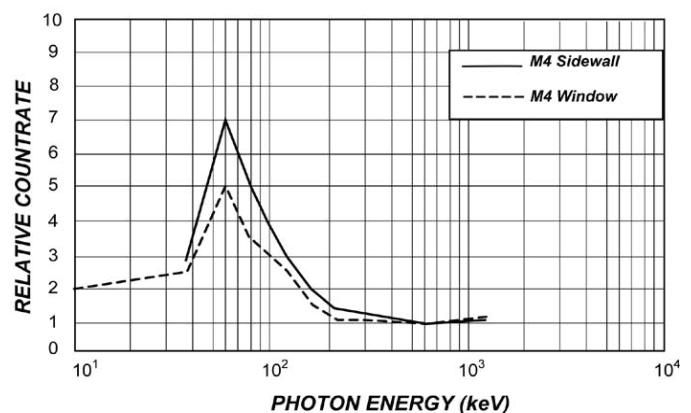


Optional SI Meter Scale: 0-500 µSv/hr & 0-50 mR/hr

ENERGY RESPONSE
(Relative to Cs-137)



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