

# Monitor 4 & 4EC

OPTIONAL MINI-USB WITH OBSERVER SOFTWARE AVAILABLE

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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<sup>2</sup> thick.

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

## Energy Sensitivity

1000 CPM/mR/hr (Cs<sup>137</sup>). 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  $\mu$ Sv/hr (SI Scale Meter Option)

## Accuracy

Typically  $\pm 15\%$  of reading (Cs<sup>137</sup>)

## 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



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SOFTWARE AVAILABLE

## 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

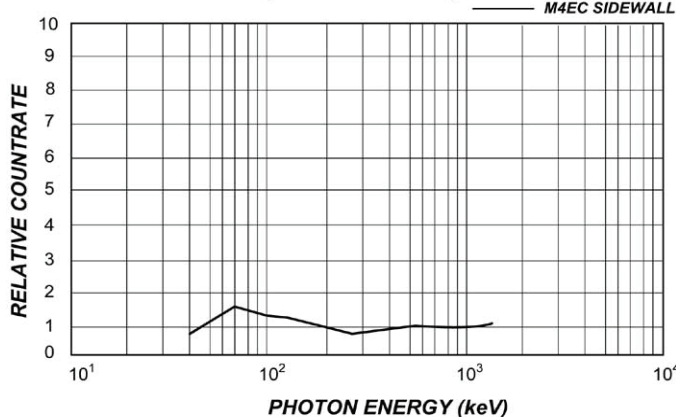
## Limited Warranty

1 year limited warranty

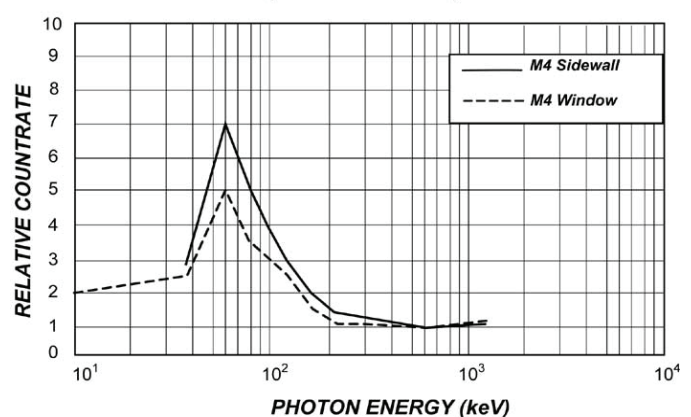


Optional SI Meter Scale: 0-500 µSv/hr & 0-50 mR/hr

ENERGY RESPONSE  
(Relative to Cs-137)



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