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
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.