

Model Monitor 4 & 4EC

Radiographic Survey Meters



**model
MONITOR 4**

Monitor 4 & 4EC Handheld Radiation Alert® Detector

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 and offers a more linear reading for gamma and x-rays (above 40 keV).

Specifications:

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.

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)

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.

Display

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

Range Switch -- X1, X10, X100, Battery Check.

Power Requirements -- 9-volt alkaline battery. Approx. 2,000 hrs. at normal background

Audio Indicator -- Internally mounted beeper

Temperature Range -- -20° to 55°C (-4° to 131°F)

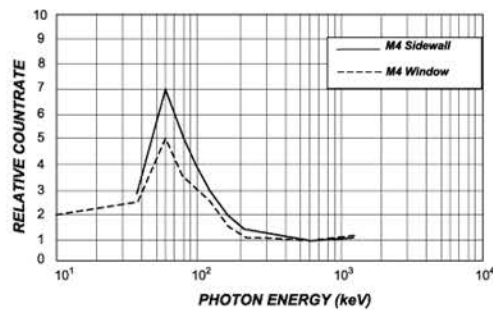
Weight -- M4: 200 g (7.1 oz), M4EC: 224 g (7.9 oz)

Outputs-- 3.5 mm headphone jack with pulse out.

Size -- 209 x 71 x 50 mm (8.2 x 2.8 x 1.9 in.)

Monitor 4

**ENERGY RESPONSE
(Relative to Cs-137)**



Monitor 4EC

**ENERGY RESPONSE
(Relative to Cs-137)**

