

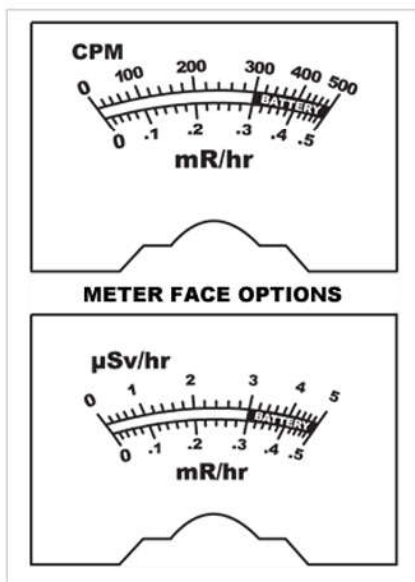
# Model Monitor 4 & 4EC

Radiographic Survey Meters



**model**  
**MONITOR 4**

Analog meter holds full scale in fields as high as 100x maximum reading. CPM & mR/hr scale. Optional Sievert scale meter available.



**METER FACE OPTIONS**



## Monitor 4 & 4EC Handheld Radiation Alert® Detector

The M4 and M4EC are compact, 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).

Monitor 4 is a halogen-quenched uncompensated GM tube with thin mica window 1.5-2.0 mg/cm<sup>2</sup> thick.

Monitor 4EC is a halogen-quenched GM tube, energy compensated sidewall 2mm thin filter. Thin mica window 1.5-2.0 mg/cm<sup>2</sup> thick. Effective diameter of window is 9.1mm (.36 in.)

### Energy Sensitivity:

1000 CPM/mR/hr (referenced to Cs-137)

Monitor 4EC is the same as Monitor 4 except the energy response for gamma and x-rays through the detector sidewall is flat withing +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. Both Monitor 4 and Monitor 4EC detect beta at 50 keV with typical 75% detection efficiency.

### 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 (Sievert scale meter option)

### Range Switch

X1, X10, X100, Battery Check.

### Accuracy

Typically ±15% of reading (referenced to Cs-137)

9 volt alkaline battery approximately 2,000 hours at normal background.

Includes carrying case w/belt clip

Options: Sievert monitor option, Observer Software, Mini-USB option with USB Observer Software

Limited 1 year warranty