

# RADIATION ALERT<sup>®</sup> Monitor 4

**KF Technology**  
LIFE SCIENCE TOOLS

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## Monitor 4 - Analog Radiation Detectors

The Monitor 4 is compact, analog radiation detector. A general purpose survey meter capable of detecting alpha, beta, gamma, and x-rays over 3 selectable ranges. Proven and reliable over decades of use in the industry, the Monitor 4 has evolved into one of the best analog radiation detectors of today. Simple and ergonomic, a red count light flashes and a beep sounds with each count detected. Battery check and silent operation with the flick of your thumb.

**Applications & Uses:** *Checking industrial gauges, such as moisture, density, or level gauges containing Cesium-137, Locating Sources, Personal protection, General surveying*



Halogen-quenched uncompensated GM tube with thin mica window  
1.5-2.0 mg/cm<sup>2</sup> thick.

Effective diameter of window is 9.1 mm (.36 in.).

## 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)



## Range Switch

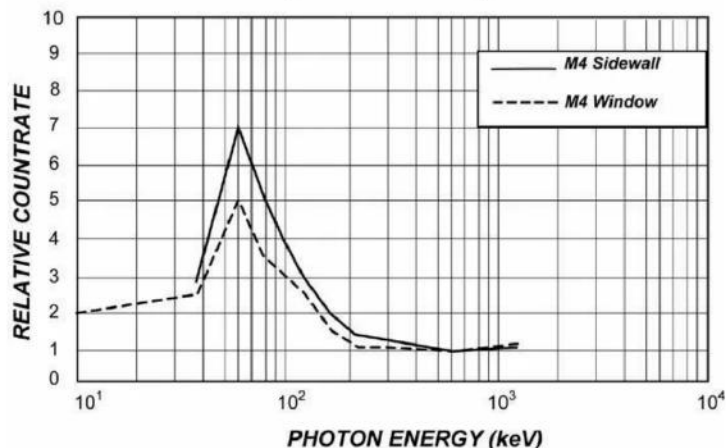
X1, X10, X100, Battery Check.

## Energy Sensitivity

1000 CPM/mR/hr (Cs137).

Detects alpha down to 2.5 MeV; typical detection efficiency at 3.6 MeV is greater than 80%. Detects beta at 50 keV with typical 35% detection efficiency and beta at 150 keV with typical 75% detection efficiency. Detects gamma and x-rays down to 10 keV typical through the window, 40 keV minimum through the case.

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



## Accuracy

Reference to Cs137  
Typically ±15% from factory, ±10% with NIST Source Calibration [NIST Calibration Additional](#)

## Display

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

Internally mounted beeper (can be turned off for silent operation).

## Outputs

3.5 mm jack with pulse out.

## Power Requirements

9-volt alkaline battery (included). Approx. 2,000 hrs. at normal background

## Temperature Range

-10° to +50°C (14° to 122°F)

## Humidity

10% to 70% Non-Condensing.

## Weight

M4: 200 g (7.1 oz) M4EC: 224 g (7.9 oz)

## 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 Serial Software](#)

## Limited Warranty

1 year limited warranty

## Included With Monitor 4



[Carrying Case](#)