

# The Monitor 4



The Monitor 4 is a general purpose geiger counter that measures alpha, beta, gamma, and x-radiation over 3 selectable ranges. A red LED blinks and a beeper chirps with each count (the chirp can be muted).

## Use the Monitor 4 to:

- Detect radioactive sources in the home or workplace
- Monitor personal radiation exposure
- Ensure regulatory compliance

## Specifications:

**Sensor:** Halogen-quenched Geiger-Mueller detector with mica end window (LND712); detects Alpha, Beta, Gamma, and X-radiation. End window density is 1.5-2.0 mg/cm<sup>2</sup>. Side wall is .012" #446 stainless steel.

**Range Switch:** X1, X10, X100, Battery Check.

**Operating range:** 0-.5, 0-5, 0-50 mR/hr and 0-500, 0-5,000, 0-50,000 CPM

**Sensitivity:** 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.

Detects beta at 150 keV with 75% typical detection efficiency.

Detects gamma and x-rays down to 10 keV typical through the window, 40 keV minimum through the sidewall of the detector.

Normal background is approx. 10-20 CPM

Gamma sensitivity is 1000 CPM/mR/hr referenced to Cs-137

**Accuracy:** ±10% of full scale (referenced to Cs-137).

**Count light:** Red LED flashes with each count

**Beeper:** Chirps for each count (can be muted)

**Power:** One 9-volt alkaline battery. Battery life is up to 2,000 hours at normal background radiation levels.

**Size:** 145 x 72 x 38 mm (5.7 x 2.8 x 1.5 in.).

**Weight:** 178 grams (6.3 oz.) without battery

Specifications subject to change without notice.

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