

MC1K Specifications

Detector

Energy compensated halogen-quenched GM tube.

Operating Range

X1 position 0 - 1 mR/hr or 0 - .01 mSv/hr

X10 position 1 - 10 mR/hr or 0 - .1 mSv/hr

X100 position 5 - 100 mR/hr or 0 - 1 mSv/hr

X1000 position 50 - 1000 mR/hr or 0 - 10 mSv/hr

MC1K Energy Sensitivity

Detects gamma and x-rays down to 40 keV. Response is flat from 40 keV up. Normal background, approximately 4 CPM.

Accuracy

Typically $\pm 15\%$ of reading (Cs137)

Range Switch

X1, X10, X100, X1000.

Audio Indicator

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

Anti-Saturation

Meter will hold at full scale in fields as high as 100 times the maximum reading.

Power Requirements

9-volt alkaline battery up to 2,000 hrs at normal background

Battery Life

Battery life is up to 2,000 hours at normal background radiation levels.

Temperature Range

-20° to 55° C (-4° to 131° F).

Weight

217 g (7.7 oz)

Outputs

3.5 mm jack with pulse out.

Size

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

Options

Carrying Case (included), Optional Observer Serial Software