

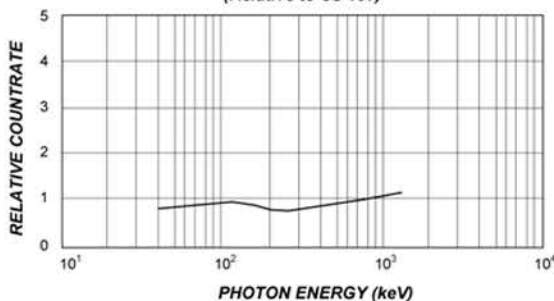


model
MC1K



ergonomic handle

MC1K ENERGY RESPONSE
(Relative to Cs-137)



MC1K Handheld Radiation Alert® Detector

The new ergonomic MC1K is a handheld survey meter using a built-in energy compensated GM detector. It detects gamma and x-rays up to 1000 mR/hr over 4 selectable ranges. A beep sounds and a count light flashes with each event detected.

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
 Range Switch
 X1, X10, X100, X1000.

Accuracy

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

MC1K Energy Sensitivity:

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

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 headphone jack with pulse out.

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