

MC1K

LINEAR GAMMA RESPONSE TO 1000 mR/HR



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.

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

Accuracy

Typically $\pm 15\%$ of reading (Cs^{137})

Energy Sensitivity

Detects gamma and x-rays down to 40 keV.

Response is flat from 40 keV up.

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.



SE INTERNATIONAL INC



P.O. Box 39, 436 Farm Rd. Summertown, TN 38483

1-800-293-5759

Fax: 931-964-3564

www.seintl.com

radiationinfo@seintl.com



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MC1K

Power Requirements

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

Temperature Range

-20° to 55°C (-4° to 131°F)

Humidity Range

10% to 70% Non-Condensing

Weight

217 g (7.7 oz) **Outputs**

3.5 mm headphone jack with pulse out.



The end panel of the MC1K Shown



Size

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

Includes

Carrying Case, Battery

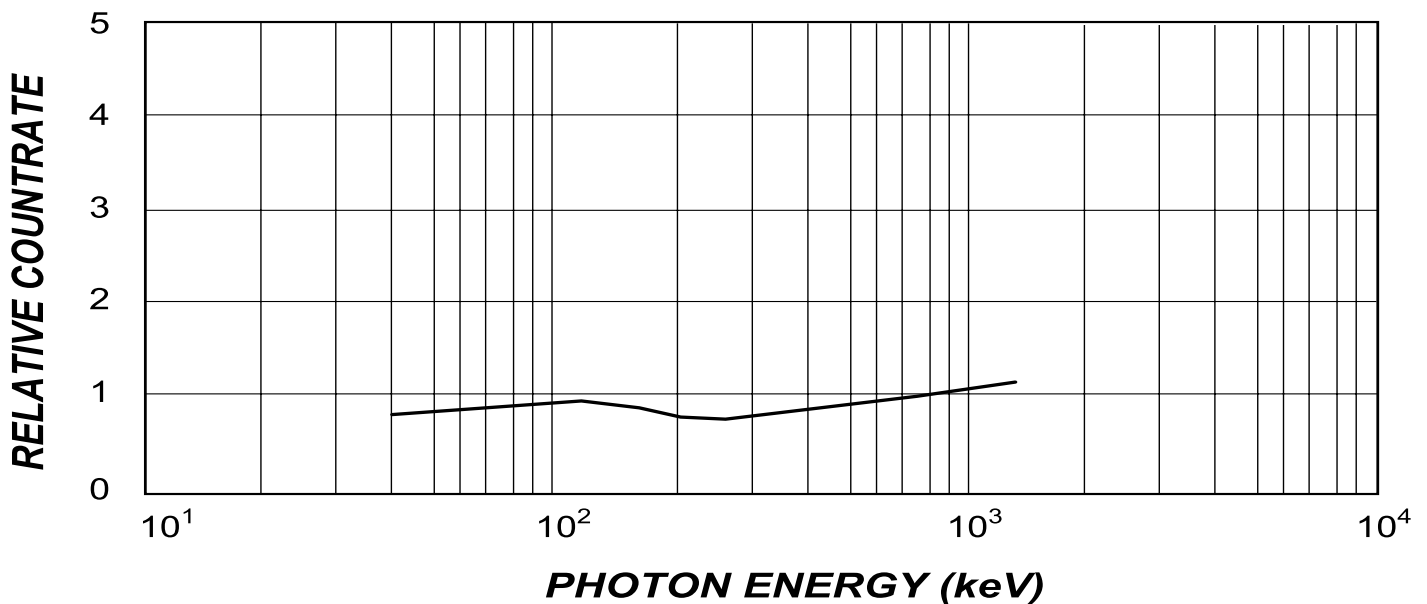
Accessories

Observer Software

Limited Warranty

1 year limited warranty

MC1K ENERGY RESPONSE (Relative to Cs-137)



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