

Frisker

RADIATION ALERT™

Handheld Detector

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Sick of getting tripped up by cables? Want that free hand back? Tired of lugging around a meter the size of a lunch box? Presenting The Radiation Alert® Frisker . A light weight, single-handed radiation contamination instrument that has been designed to meet the demands of today's radiation personnel for leak testing, surface monitoring, sample screening, and personnel screening. By integrating the latest electronics with a proven and dependable Geiger-Mueller detector, S.E. International has created a rugged, ergonomic tool that addresses a number of radiological applications. The Radiation Frisker detects alpha, beta, and gamma with an assortment of units of measure, customizable alarm levels, and a backlit display.

Detector

Internal Halogen-quenched, uncompensated GM tube with thin mica window, 1.4-2.0 mg/cm² areal density. Effective diameter of window is 45 mm (1.77 in.).

Calibratable Operating Range

μ R/hr - 1 to 50,000	CPM - 0.0 to 175,000
nSv/hr - 1 to 500,000	CPS - 0.0 to 2500

Accuracy (Cs¹³⁷)

Typically $\pm 15\%$ from factory, $\pm 10\%$ with NIST Source Calibration

Energy Sensitivity

Detects Alpha down to 2 MeV. Detects Beta down to .16 MeV; typical detection efficiency at 1 MeV is approximately 25%. Detects Gamma down to 10 KeV through the detector window. 3340 CPM/mR/hr (Cs¹³⁷). Smallest detectable level for I¹²⁵ is .02 μ Ci at contact.



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Radiation Frisker

Handheld Radiation Alert® Detector



Anti-Saturation

Readout will OVERRANGE in radiation fields as high as 100 times the maximum reading.

Alert

Pulsating beeper sounds the alert. Adjustable alert levels are used for $\mu\text{R/hr}$ / CPM, and nSv/hr / CPS.

Display

Backlit liquid crystal display with mode indicators.

Count Light

Red LED flashes with each count.

Audio Indicator

Internally mounted beeper
(can be switched off for silent operation)

Power Requirements

Two (2) AA alkaline (included). Battery life is approx. 1000 hours at normal background radiation levels w/o backlight (based on 1000mAh batteries).

Temperature Range

-10° to $+50^{\circ}\text{C}$ (14° to 122°F)

Weight

217 g (7.7 oz.)

Size

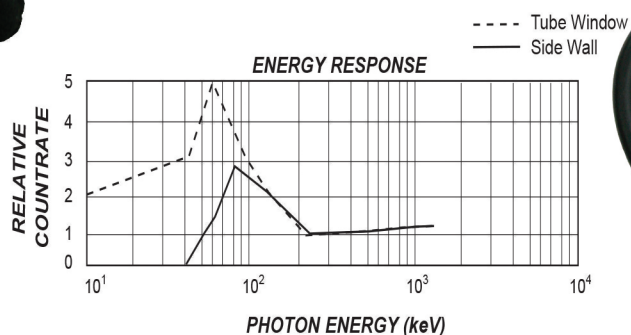
276 x 44 x 64 mm (10.875 x 1.75 x 2.5 in.)

Includes

Carrying Case, Lanyard, Batteries, and Protective Boot. Protective boot fits most industry standard dose rate and compensation filters.

Limited Warranty

1 year limited warranty



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