

Frisker

RADIATION ALERT™

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Handheld Detector

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 Radiation Alert® Frisker. A light weight, single-handed radiation contamination instrument that has been designed to meet the demand 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, SE 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.).

Operating Range

mR/hr - 1 to 50	1 - 175,000 CPM
μ Sv/hr - 1 to 500	0.1 to 3000 CPS

Accuracy

mR/hr $\pm 10\%$ with NIST calibration, $\pm 15\%$ factory
 μ Sv/hr $\pm 10\%$ with NIST calibration, $\pm 15\%$ factory
(Referenced to Cs137)

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.

3600 CPM/mR/hr (Cs¹³⁷). Smallest detectable level for I¹²⁵ is .02 μ Ci at contact.



SE INTERNATIONAL INC



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RADIATION®
A • L • E • R • T

Radiation Frisker

Handheld Radiation Alert® Detector



Shown without protective boot

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. 800 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)

Humidity Range

10% to 70% Non-Condensing

Weight

217 g (7.7 oz.)

Size

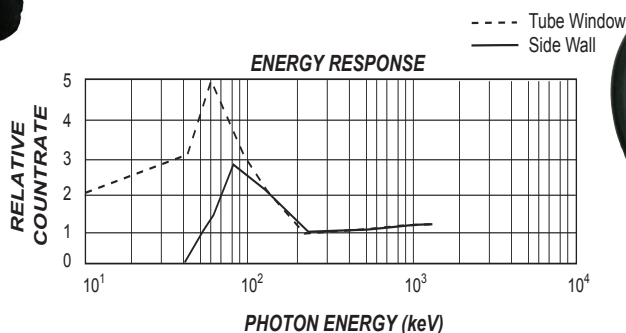
276 x 44 x 64 mm (10.875 x 1.75 x 2.5 in.)

Includes

Carrying Case, Lanyard, Batteries, and Protective Boot.

Limited Warranty

1 year limited warranty



Detector Bottom View

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