

# Radiation Alert® Frisker 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 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.

### Calibratable Operating Range

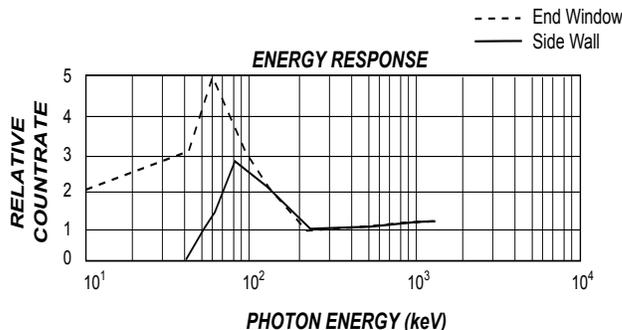
$\mu$ R/hr - 1 to 50,000                      CPM - 0.0 to 175,000  
nSv/hr - 1 to 500,000                      CPS - 0.0 to 2500

### Accuracy (Cs<sup>137</sup>)

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 (Cs<sup>137</sup>). Smallest detectable level for I<sup>125</sup> is .02  $\mu$ Ci at contact.



# 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  $\mu\text{R/hr}$ ,  $\text{mR/hr}$ , CPM,  $\mu\text{Sv/hr}$ ,  $\text{mSv/hr}$ , and 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 batteries. Battery life is approx. 1000 hours at normal background radiation levels w/o backlight (based on 1000mAh batteries).

### Temperature Range

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

### 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, and Protective Boot. Protective boot fits most industry standard dose rate and compensation filters.

### Limited Warranty

1 year limited warranty



Detector Bottom View