

SEI RADIATION ALERT®

Radiation Frisker

Handheld Radiation Contamination Monitor



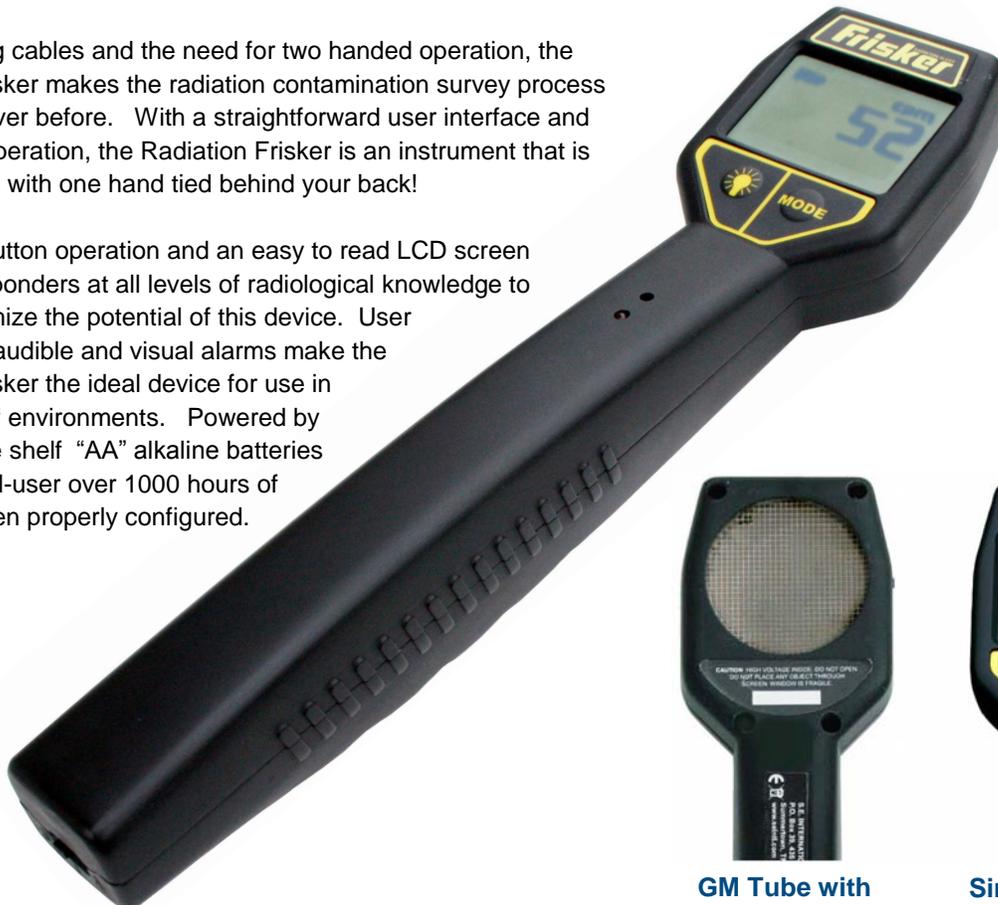
FEATURES

- Easy to use
- Single-handed operation
- Configurable alarms
- Proven detection
- Ergonomic & rugged case
- No cables

The Radiation Frisker is a radiation contamination instrument that has been designed and developed to meet the ever increasing demands of today's radiation responder. By integrating the latest electronics with a proven and dependable GM (Geiger-Mueller) detector, the result is an ergonomic and ruggedized tool that addresses a diverse range of radiological applications.

By eliminating cables and the need for two handed operation, the Radiation Frisker makes the radiation contamination survey process easier than ever before. With a straightforward user interface and multi-mode operation, the Radiation Frisker is an instrument that is truly operable with one hand tied behind your back!

Simple two button operation and an easy to read LCD screen will allow responders at all levels of radiological knowledge to quickly maximize the potential of this device. User configurable audible and visual alarms make the Radiation Frisker the ideal device for use in a full range of environments. Powered by two (2) off the shelf "AA" alkaline batteries afford the end-user over 1000 hours of operation when properly configured.



GM Tube with Mica Window



Simple 2 button Operation

Radiation Frisker

SPECIFICATIONS

Operating Range	.001 mR/Hr to 100 mR/Hr (.01 μ Sv/Hr to 1000 μ Sv/Hr) 0.0 CPM to 350,000 CPM 0.0 CPS to 5000 CPS
Detector	Internal Halogen-quenched, uncompensated GM tube with thin mica window, 1.4-2.0 mg/cm ² areal density. Effective diameter of window is 45 mm (1.77 in.).
Accuracy (Cs137)	mR/hr \pm 10% typical (NIST), \pm 15% max - 0 to 100 μ Sv/hr \pm 10% typical (NIST), \pm 15% max - 01 - 1000 CPM \pm 10% typical (NIST), \pm 15% max - 0 to 350,000 (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. 3340 CPM/mR/hr (Cs137). Smallest detectable level for I125 is .02 μ Ci on contact
Anti-Saturation	Readout will OVERRANGE in radiation fields as high as 100 times the maximum reading.
Display	Backlit LCD (liquid crystal display) with mode indicators.
Alert	Pulsating beeper sounds the alert. Adjustable alert levels are used for μ R/hr, mR/hr, CPM, μ Sv/hr, μ Sv/hr, and CPS.
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.
Temperature Range	14° to 122°F (-10° to +50°C)
Weight	7.7 oz. (217 g)
Size	10.875 x 1.75 x 2.5 in. (276 x 44 x 64 mm)
Includes	Custom Carrying Case
Warranty	1 year limited warranty

