

## Integrated Frisker

### Features

- Integrated, Lightweight Design Simplifies Frisking
- High-Impact Plastic with Water-Resistant Rubber Seals
- Employs Standard 15.51 cm<sup>2</sup> GM Pancake Detector
- Displays in mR/hr,  $\mu$ Sv/h, dpm, Bq, cpm, or cps
- Dead-Time Correction (DTC) Allows Gamma Measurements Up to 500 mR/hr or Up to 1999  $\mu$ Sv/h
- Simple Three-Button Operation
- Count Rate, Dose/Exposure, and Counting Alarms
- Automatic Display Backlight
- Bright **Red Flashing ALARM** LED
- Includes Wrist Strap, Clear Pancake Cover & Ludlum Lanyard



Dimensions: 10.7" L x 2.7" W x 1.8"  
Weight: 1 lb

### Specifications:

Detector:	Pancake GM detector, stainless steel screen (79% open)
Window Area:	Active 15.51 cm <sup>2</sup> (2.4 in <sup>2</sup> ) Open - 12.26 cm <sup>2</sup> (1.9 in <sup>2</sup> )
Efficiency:	Alpha 239Pu : 11%, 99Tc : 18%, 32P : 32% Beta 14C : 2%, 90Sr/Y : 22%, 125I : 0.2% Gamma 137Cs : 5.5 cps per $\mu$ Sv/hr (3300 cpm per mR/hr), 99mTc : $\leq$ 1%
LCD Display:	3½ digit LCD with large 12.7 mm (0.5 in.) digits, low-battery indicator, MAX, ALARM Units: (k)cps, (k)cpm, (k)dpm, (k)Bq, mR/hr, $\mu$ Sv/h, Bq, and dpm
Range:	0.1 cps to 19.9 kcps, 1 cpm to 999 kcpm, 0.0 to 500 mR/hr, 0.01 to 1999 $\mu$ Sv/h, 0.1 to 19.9 kBq
Backlight:	Built-in ambient light sensor automatically activates low-power LED backlight, or may be configured for 'Continuous On' operations (will reduce battery life)
Controls:	ON / OFF / Quiet Mode: Alternates between: NORMAL : count rate MAX : captures peak rate COUNT : user-selectable preset count time from 0 to 20 min. Units: Changes units between: Count rate (cpm, cps), Dose/Exposure ( $\mu$ Sv/h, mR/hr), Activity (dpm/Bq)
Response Time:	User-selectable from 1 to 60 s, or automatic FAST or SLOW
Resolving Time:	Approximately 110 $\mu$ s as defined by IEC 60325
Alarms :	Count rate and scaler alarm setpoints adjustable over the display range
Zero Protection:	After 60 s of no pulses from detector, unit will flash a zero reading and the alarm audio will be triggered
Overload:	High rate saturation protection, indicated by flashing display and audio alarm, prevents false display of lower count rates
Click Audio:	Greater than 60 dB at 0.6 m (2 ft)
Temperature Range:	-20 to 50 °C (-4 to 122 °F) May be certified for operation from -40 to 65 °C (-40 to 150 °F)
Power:	Two "AA" batteries
Battery Life:	Approximately 1000 hours of operations (16-hour low battery warning) (as low as 500 hours with backlight configured for 'Continuous On')

PTI-IFW

Integrated Frisker

## Radioactive Isotope Identification Device

### Features

- Completely portable isotope identification system
- Identification of multiple radionuclides
- Designed to meet all ANSI N42.34 requirements
- Ruggedized Design - water and shock resistant
- Automatic system calibration and stabilization
- Database protocol for log files and alarm events

### Specifications:

Detector:	2" x 2" NaI
Energy Range:	20 keV - 10 MeV (Gamma)
Power:	Rechargeable Li-Ion allows for 7 hours of continuous use
Temperature Range:	-20° (-4°) to 50°(122°) C (F)
Controls:	Keypad with one-thumb operation
Alarm:	Visual (on screen) and Audio (internal speaker)
Calibration:	Automatic stabilization with temperature
Functions:	Nuclide identification, spectrum analysis, dose rate calculation (rem/Sv), total dose, audible search tool, data logging



Dimensions: 9.5"L x 3.8"W x 4"H  
Weight: 2.6 lbs

PTI-RIIDPlus-G

Radioactive Isotope Identification Device

*Call Pinestar toll-free 1-800-682-2226, to place an order*