Integrated Frisker



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

Features

- Integrated, Lightweight Design Simplifies Frisking
- High-Impact Plastic with Water-Resistant Rubber Seals
- Employs Standard 15.51 cm2 GM Pancake Detector
- Displays in mR/hr, μSv/h, dpm, Bq, cpm, or cps
- Dead-Time Correction (DTC) Allows Gamma Measurements Up to 500 mR/hr or Up to 1999 μSv/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

Specifications:

Detector: Pancake GM detector, stainless steel screen (79% open)
Window Area: Active 15.51 cm2 (2.4 in2) Open - 12.26 cm2 (1.9 in2)

Efficiency: Alpha 239Pu:11%, 99Tc:18%, 32P:32% Beta 14C:2%, 90Sr/Y:22%, 125I:0.2%

Gamma 137Cs : 5.5 cps per μ 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, µSv/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 μSv/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 (µSv/h, mR/hr), Activity (dpm/Bq)

Response Time: User-selectable from 1 to 60 s, or automatic FAST or SLOW

Resolving Time: Approximately 110 µs 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