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Frisking people and objects for alpha and beta contamination has always been a little awkward because of manipulation of the cable, detector, and electronics required the use of both hands. The new cable-less Ludlum Model 26 consolidates the electronics and the detector into one ergonomic housing. This optimized configuration incorporates a standard 15 cm² GM pancake probe, loud audio “click” output, and large auto-ranging LCD display with automatic lighting into one convenient package, making it easier than ever to detect contamination.

Operation is kept extremely simple through the use of just two buttons. A useful feature employed in the design is the MAX mode, which captures the highest or peak count rate. It is particularly convenient whenever the display is not directly visible. The scaler mode, with a present count time, allows the user to take a discrete measurement. This system also incorporates low power circuitry, delivering hundreds of hours of use with just two standard “AA” size batteries. The calibrator can protect parameters (cps/cpm, response time, alarm points, & scaler time) or allow the user to adjust them.



Model 26 Frisker

Features

- Integrated, Lightweight Design Simplifies Frisking
- Protective Rubber Covering Enhances Ruggedness, Water Resistance, and Non-Slip Comfort
- Employs Standard 15 cm² GM Pancake Detector
- Ratemeter, Peak, and Scaler Operating Modes
- Simple Two-Button Operation
- Count Rate and Scaler Alarms

Specifications:

Detector: pancake GM (Geiger-Mueller) detector, stainless steel screen

Window Area: Active 15cm² (2.3 in²);
Open: 12.2 cm² (1.9 in²)

Efficiency (4 M): Alpha: 15% for ²³⁰Pu; Beta: 19% for ⁹⁹Tc; 32% for ³²P; Gamma: 3300 cpm/mR/hr or 5.5cps/μSv/hr (¹³⁷Cs)

Alarms: count rate and scaler alarm set-points adjustable over the display range

Overload: high count rate saturation protection prevents false display of lower count rates

Zero Protection: unit will flash a zero reading & audio alarm if no pulses from detector after 60 secs

LCD Display: 3 1/2 digit LCD with large 12.7mm (0.5 in.) digits, (k)cps, (k)cpm, low-battery indicator, MAX, Alarm

Range: 0.1cps to 1.99 kcps, or 1 cpm to 99.9 kcpm

Backlight: built-in ambient light sensor automatically activates low-power LED backlight

Controls: two pushbuttons

On/Off/Quiet: press to turn On, tap to alternate between “click” audio and Quiet, hold for Off

Mode: alternates between Normal (count rate) and Max (captures peak rate, and Scaler (user-selectable present count time from 0 to 20 minutes)

Response Time: user-selectable for 1 to 60 seconds, or Auto-Response Rate Fast or Slow

Click Audio: greater than 60 dB at 0.6m (2 ft)

Power: two “AA” batteries

Battery Life: approximately 1000 hours of operations, 16-hour low battery warning

Construction: high-impact plastic with separate battery compartment

Size: 4.6H x 6.9W x 27.2L cm (1.8 x 2.7 x 10.7in)

Weight: 0.45 kg (1.0 lb)