



REPRESENTACIONES INDUSTRIALES C Y M SAC

- *Venta de Equipos NDT*
- *Venta de Accesorios NDT*
- *Venta de Productos para Seguridad Industrial*

Detector digital de Radiación – Inspector USB Survey Meter



Inspector USB Survey Meter - Handheld Digital Radiation Detector

The Inspector USB is a small, handheld, microprocessor-based survey meter that offers excellent sensitivity to low levels of alpha, beta, gamma, and x-rays. Also, has built in efficiencies for common isotopes to calculate activity in Bequerels and DPM. Now with the USB and the included Observer USB Software, you can download your data from the internal memory, set computer alarms, and calibrate your instrument.

Specifications

Detector: Internal halogen-quenched, uncompensated GM tube with thin mica window, 1.4-2.0 mg/cm² area density. Effective diameter of window is 45 mm (1.75 in.). Radiation symbol on front label marks the center of the detector.

Display: 4-digit liquid crystal display with indicators.

Averaging Periods: Display will update every 3 seconds. At low background levels, the update is the moving average for the past 30-second time period. The timed period for the moving average decreases as the radiation level increases.

Gamma Sensitivity: 3340 CPM/mR/hr referenced to Cs-137. Smallest detectable level for I-125 is .02 μCi at contact. Timer can set 1 minute sampling periods from 1 to 10 minutes.



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Operating Range: mR/hr - .001 (1 μ R) to 100 mR/hr or CPM - 0 to 350,000

mSv/hr - .01 to 1000 or CPS - 0 to 5000

Total/ Timer - 1 to 9,999,000 counts

Accuracy: 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 Cs-137)

Count Light: Red LED flashes with each radiation event.

Audio Indicator: mR/hr .001 - 50 and CPM 1 - 160,000. 70db @ 1m. Pulsating beeper sounds the alert. Adjustable alert levels are used for mR/hr / CPM, and μ Sv/hr / CPS. Alarm will sound when in Timer Mode when set alarm is reached.

Outputs: 3.5mm headphone jack for CMOS or TTL devices: count to computer or datalogger. USB for use with Free Observer USB Software for PCs.

Anti-Saturation: Meter will hold at full scale in fields as high as 100 times the maximum reading.

Power Requirements: One 9-volt alkaline battery. Battery life is approximately 2000 hours at normal background. USB-AC Adapter.

Temperature Range: -10°C to 50°C (14°F to 122°F)

Weight: Inspector: 273 grams (9.6 oz.) without battery.

Size: 150 x 80 x 30 mm (5.9 x 3.3 x 1.2 in.).

Includes: Carrying Case, Certificate of Conformance

Options: Xtreme Boot, Wipe Test Plate & Stand

Warranty: One Year Limited, 90 Day Warranty on GM Tube Detector