



NDT Supply.com
P.O. BOX 7350
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SE Inspector Series



The Inspector Series features built-in isotope efficiencies, data collection, great sensitivity, backlit display, timer and optional wipe test plate for swipes.

Three Different Models:

- Inspector USB
- Inspector Xtreme USB
- Inspector EXP

Inspector USB

- The Inspector USB offers excellent sensitivity to low levels of alpha, beta, gamma, X-ray and built in efficiencies for common isotopes to calculate activity in Bequerels and DPM.
- USB and Observer USB Software included so you can download your data from the internal memory, set computer alarms and calibrate your instrument.



Inspector Xtreme USB

- Ruggedized, easy to use and ready to go. The tough overlay and solid back panel give you added protection for taking your radiation survey meter out in the field.
- USB and Observer USB Software included so you can download your data from the internal memory, set computer alarms and calibrate your instrument.



Inspector EXP

- The Inspector EXP delivers the same quality you have come to expect from the Inspector USB with the added versatility of an external probe.
- Comes with a carrying case that has a clear window panel providing full view of the readout, count light, access to the switches and convenient hand straps and belt loop are provided for carrying the instrument.
- Unique design of attaching the probe to the carrying case allows for one-handed operation.





The new slim line RAP-RS1 Probe is light weight with rugged construction



Carrying case enables one handed operation of The Inspector EXP

Specifications:

	Inspector USB & Xtreme USB	Inspector EXP
Detector:	Internal Halogen-quenched uncompensated GM tube with thin mica window, 1.4 – 2.0 mg/cm ² areal density. Effective diameter window is 45 mm (1.77"). Radiation symbol on front label marks the center of the detector.	
Operating Range:	mR/hr - .001 (1μR) to 100 CPM – 0 – 350,000 μSv/hr - .01 to 1,000 CPS – 0 – 5,000 Total / Timer – 1 – 9,999,000 counts Accuracy (referenced to Cs137) Typically ± 15% from factory, ± 10% with NIST Source Calibration.	
Energy Sensitivity:	3340 CPM / mR/hr (Cs137) 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 end window Smallest detectable level for I125 is .02 μCi at contact.	
Built-in Efficiencies:	Sulfur (S35), Strontium (Sr/y90), Cesium (Cs137), Phosphorous (P32), Carbon (C14), Iodine (I131), Cobalt (Co60) and Alpha.	
Selectable Alert Set Range:	mR/hr - .001 to 50 and CPM – 1 to 160,000. 70db @ 1m. Pulsating beeper sound the alert. Adjustable alert levels are used for mR/hr / CPM and μv/hr / CPS. Alarm will sound when in Timer Mode when set alarm threshold is reached.	



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Anti-Saturation:	Meter will hold at OVER RANGE in fields as high as 100 times the maximum reading.	
Averaging Periods:	Display updates every 3 seconds. At low background levels, the update is the average for the past 30 second time period. The timed period for the average decreases as the radiation level increases.	
Display:	Backlit 4 digit liquid crystal display with indicators. Display updates every 3 seconds.	
Count Light:	Red LED flashes with each radiation event.	
Audio Indicator:	Internally mounted beeper (can be switched off for silent operation).	
Outputs:	3.5 mm jack for CMOS or TTL devices and counts to a computer or datalogger. USB for use with FREE Observer USB Software for PCs.	
Temperature Range:	-10°C to 50°C (14°F - 122°F)	
Power Requirements:	One 9-volt alkaline battery. Battery life is approximately 2,000 hours at normal background. USB – AC Adapter.	One 9-volt alkaline battery. Battery life is approximately 2160 hours at normal background.
Weight:	Inspector USB – 273 g. (9.6 oz.) without battery Inspector Xtreme USB – 454 g. (16 oz.) without battery.	Inspector EXP – 181 g. (6.3 oz) Probe – approximately 328 g. (11.5 oz.) without cable.
Dimensions:	Inspector USB: 150mm x 80mm x 30mm (5.9" x 3.1" x 1.23") Inspector Xtreme USB: 150mm x 80mm x 30mm (5.9" x 3.1" x 1.2")	Inspector EXP: 150mm x 80mm x 30mm (5.9" x 3.1" x 1.2") Probe: 270mm x 70mm x 38mm (10.25" x 2.75" x 1.5")
Probe Construction:	Built-In Probe	Anodized aluminum housing Size: approx. 8.75" (22.23 cm) Diameter: 2.75" (7.0 cm) Connector: Amphenol – Tucal Handle: Black foam grip
Includes:	Inspector USB: Carrying Case, Certificate of Conformity and Observer USB Software. Inspector Xtreme USB: Rugged Xtreme Boot, Carrying Case, Certificate of Conformity and Observer USB Software.	Carrying Case and Certificate of Conformity
Options:	Xtreme Boot, Wipe Test Plate and Stand	Serial Observer Software
Limited Warranty:	1 year limited warranty 90 day limited warranty on GM tube	1 year limited warranty