

## 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:**

	<b>Inspector USB &amp; Xtreme USB</b>	<b>Inspector EXP</b>
<b>Detector:</b>	Internal Halogen-quenched uncompensated GM tube with thin mica window, 1.4 – 2.0 mg/cm <sup>2</sup> areal density. Effective diameter window is 45 mm (1.77"). Radiation symbol on front label marks the center of the detector.	
<b>Operating Range:</b>	<b>mR/hr</b> - .001 (1μR) to 100 <b>CPM</b> – 0 – 350,000 <b>μSv/hr</b> - .01 to 1,000 <b>CPS</b> – 0 – 5,000 <b>Total / Timer</b> – 1 – 9,999,000 counts Accuracy (referenced to Cs137) Typically ± 15% from factory, ± 10% with NIST Source Calibration.	
<b>Energy Sensitivity:</b>	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.	
<b>Built-in Efficiencies:</b>	Sulfur (S35), Strontium (Sr/y90), Cesium (Cs137), Phosphorous (P32), Carbon (C14), Iodine (I131), Cobalt (Co60) and Alpha.	
<b>Selectable Alert Set Range:</b>	<b>mR/hr</b> - .001 to 50 and <b>CPM</b> – 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.	



<b>Anti-Saturation:</b>	Meter will hold at OVER RANGE in fields as high as 100 times the maximum reading.	
<b>Averaging Periods:</b>	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.	
<b>Display:</b>	Backlit 4 digit liquid crystal display with indicators. Display updates every 3 seconds.	
<b>Count Light:</b>	Red LED flashes with each radiation event.	
<b>Audio Indicator:</b>	Internally mounted beeper (can be switched off for silent operation).	
<b>Outputs:</b>	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.	
<b>Temperature Range:</b>	-10°C to 50°C (14°F - 122°F)	
<b>Power Requirements:</b>	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.
<b>Weight:</b>	<b>Inspector USB</b> – 273 g. (9.6 oz.) without battery <b>Inspector Xtreme USB</b> – 454 g. (16 oz.) without battery.	<b>Inspector EXP</b> – 181 g. (6.3 oz) <b>Probe</b> – approximately 328 g. (11.5 oz.) without cable.
<b>Dimensions:</b>	<b>Inspector USB:</b> 150mm x 80mm x 30mm (5.9" x 3.1" x 1.23") <b>Inspector Xtreme USB:</b> 150mm x 80mm x 30mm (5.9" x 3.1" x 1.2")	<b>Inspector EXP:</b> 150mm x 80mm x 30mm (5.9" x 3.1" x 1.2") <b>Probe:</b> 270mm x 70mm x 38mm (10.25" x 2.75" x 1.5")
<b>Probe Construction:</b>	Built-In Probe	Anodized aluminum housing <b>Size:</b> approx. 8.75" (22.23 cm) <b>Diameter:</b> 2.75" (7.0 cm) <b>Connector:</b> Amphenol – Tucal <b>Handle:</b> Black foam grip
<b>Includes:</b>	<b>Inspector USB:</b> Carrying Case, Certificate of Conformity and Observer USB Software. <b>Inspector Xtreme USB:</b> Rugged Xtreme Boot, Carrying Case, Certificate of Conformity and Observer USB Software.	Carrying Case and Certificate of Conformity
<b>Options:</b>	Xtreme Boot, Wipe Test Plate and Stand	Serial Observer Software
<b>Limited Warranty:</b>	1 year limited warranty 90 day limited warranty on GM tube	1 year limited warranty