

## Radiation Pager

### Personal Radiation Detector

With the launch of the original Radiation Pager in 1996, Sensor Technology Engineering emerged from the shadows of U.S. National Security and created the first broadly employed Personal Radiation Detector for Police, Customs and First

Responders. Now, this classic device has been reimagined and re-engineered to be the smallest, lightest, fully ruggedized and ANSI 42.32 compliant PRD on the market today.

The Radiation Pager employs a large cesium iodide crystal scintillator and a quality photomultiplier tube for gamma radiation sensing. This detector, coupled with electronics that have been tuned for performance and optimized for low power, yields a very sensitive device, with fast response time, that any operator can use to reliably detect and localize radiation sources. When the Radiation Pager detects radiation at levels above the natural background, it quickly alerts the operator by flashing a daylight-viewable indicator and by either sounding an alarm or vibrating. The operator can easily locate the radiation source using the single digit display, the flashing indicator, or the audible tone.



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## Features

### Innovative Design

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### Small – Light – Rugged

Borrowing significant design features from our premium radiation search products, the Radiation Pager has been carefully engineered to yield the smallest and lightest unit available. It has been designed and tested to be resilient in response to vibration and drops onto concrete, and it's waterproof: robust O-ring seals have been employed to enable a submersible PRD that doesn't have to come in out of the rain, and which can be decontaminated using standard practices.

### Easy to Use – Fast to Train

With a user's interface including everything you need, and nothing you don't, the Radiation Pager is easy to use and fast to train. Any operator can be made proficient in the use of the instrument in a manner of minutes.

### Low Cost of Operation

The Radiation Pager doesn't require periodic calibration, planned maintenance, or recurring training. With a standard 5-year factory warranty – the operating cost of a fleet of Radiation Pagers amounts to little more than the price of replacement batteries.

## Specifications

Radiation Type	Gamma
Detector Type	Cesium Iodide Scintillator
Detector Size	5cc
Sensitivity	2.2 cps per $\mu$ R/h at Cs-137 (662keV)
Overrange Indication	Above 4 mR/hr at Cs-137 (662keV)
Integration Time	Multiple (<1, 2 Seconds)
Size	9.3 cm x 5.6 cm x 2.3 cm
Weight	150g with battery
Battery	1x AA Lithium (Li-FeS <sub>2</sub> )
Battery Life (Operating)	3,500 Hours
Environmental Protection	Per ANSI N42.32 2016
Water Ingress Protection	Waterproof
Temperature Range	-25° to 50°C
Indicators	Visible, Audible, Vibration
Compliance	ANSI N42.32 2016

