



## APPLICATIONS



## FEATURES

- High sensitivity with large 2.0 x 2.0 NaI crystal, 6.3 in<sup>3</sup> (103 cm<sup>3</sup>)
- Lightweight & rugged 4.4 lb (2 kg) including batteries
- Easy to use, single button operation
- Survey mode with search capability showing numeric display
- Unique audio feedback for fast source localisation and eyes-free operation
- 5-digit LCD display with scrolling histogram graph display of last 100 readings
- Fast audio output with adjustable audio threshold set point
- Special rugged design to withstand typical field usage weatherproofing water and dust protection
- Supplied in hard case with molded insert for shipping & storage
- Typical 8-12 hour battery life at 20°C (4 x AA batteries)
- No radioactive sources required for proper operation

### Locate radioactivity easier and eyes free!

#### RS-120 – The Ideal Field Instrument

The RS-120 Scintillometer is a robust and portable hand-held radiation survey search device for a wide variety of industrial applications. It offers an integrated design with a large detector for high sensitivity, a direct survey readout, audio output, full weather protection, and ease of use. Due to the robust and versatile design, the RS-120 is equally suited for finding radioactive spill in the environment, scanning for lost sources in scrap metal or confirming radioactive content in waste.





# RS-120 Super-SCINT

## Handheld Gamma-Ray Scintillometer

The large NaI detector gives the user an extremely high level of system sensitivity. The wide energy range of the RS-120 makes it ideally suited for locating all types of gamma isotopes including medical, nuclear, industrial and NORM.

The large, easy-to-read five-digit front panel display updates at a one per second rate, including a scrolling histogram graph with the last 100 readings simplifying the source localization. The integrated audio scans at a 20/sec data rate providing unique audio feedback for eyes-free operation and fast source localisation.

The RS-120 special rugged design withstands typical field usage and is weatherproofing water and dust protection. The instrument's protective boot provides extra protection when scanning through rough materials such as metal scrap or waste. It also provides for an easy carrying strap and could be quickly decontaminated or replaced when required.



### Radiation Solutions Inc

Radiation Solutions Inc. (RSI) is specialized in nuclear instrumentation for the detection, measurement and analysis of low-level ionizing radiation from both naturally occurring and man-made sources.

RSI's cutting edge radiation detection technology incorporates a fully digital system design, spectral analysis and advanced data processing. RSI deploys this technology in fixed installed, airborne and mobile systems, portable and handheld spectrometers providing a level of quality previously only attainable in laboratory equipment.

RSI is committed to working as closely as possible with customers in all aspects of the product life cycle including product requirement, application, training, support and product enhancement. Our comprehensive approach results in hardware components and industry leading software techniques that produce outstanding results above expectations.

### Standard Accessories

- RS-120 Scintillometer with carrying handle
- Battery cartridge with 4 x AA alkaline batteries
- Spare battery holder cartridge
- User guide
- Supplied in hard case with foam insert

### Options

- Optional removable protective boot
- Rechargeable battery kit

### Temperature Range

- -20°C to +50°C

### Control

- Single one button, thumb activated

### Alarm

- Audio via miniature speaker
- Variable audio threshold set point
- Audio proportional to count rate

### Weight

- 4.4 lb (2 kg) including batteries

### Size & Package Style

- 10.2" x 3.2" x 3.8" (259 mm x 81 mm x 96 mm)

### Display

- 128 x 64 pixels, 1 1/8" x 2 3/8"
- Graphic LCD display with white back light and automatic dimming
- Counts in cps from 0 to 65,535 and histogram chart

### Energy Response

- 30 keV - 3000 keV

### Internal Sampling

- 20 / second

### Batteries

- Internal battery pack module (4 x AA) easily replaceable
- Rechargeable or alkaline
- Life: 8+ hours at 20°C

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