

NEW



Introducing the

RS-120 Super-SCINT

Gamma Scintillometer

RS-120 - Ideal For Field Exploration

The new RS-120 Scintillometer is the state-of-the-art in portable hand-held radiation survey search devices for the geophysical industry. It offers an integrated design with full weather protection, large detector, ease of use and highest sensitivity in the market segment.

Features include

- Large sodium iodide detector, 6.3 in² (103 cm²)
- Lightweight 3.6 lb (1.6 kg) including batteries
- High sensitivity (60% greater than current models available)
- Fast response, making source location easier and eyes free
- Rubberized case for easy grip even in wet conditions
- Single button operation with digital LCD display
- Adjustable audio threshold set point
- Special rugged design to withstand typical field usage, full IP67 weatherproofing short term water immersion and fully dust protected
- Low power (4 x AA Batteries) typical 8-12 hour battery life at 20° C
- Upgradeable to RS-125 Spectrometer (for Concentrations of K, U & Th)
- High count rate - 65,535 cps



RADIATION SOLUTIONS INC

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RS-120 Super-SCINT
Gamma Scintillometer

RS-120 Unique features

- High Sensitivity
- Lightweight and Rugged
- Fast Response
- Upgradeable to RS-125 Spectrometer for readout in %K, ppm of U & Th
- No radioactive sources required for proper operation
- New design state-of-the art electronics with advanced CPU/spectrometer capability supports upgrade capability for system enhancements
- Large easy to read 5 digit display giving a wide dynamic range, no overflow
- Internal battery pack module (4xAA) easily replaceable
- Side-strap aids in easy system holding, wrist strap supplied for additional safety

Standard Accessories

- Supplied with 4 rechargeable AA batteries + charger and 4 spare AA alkaline batteries for backup
- Side-strap aids in easy system holding, wrist strap supplied for additional safety

Options

- Optional detachable handle
- Optional spare battery module for "instant" replacement
- Upgradeable at extra cost to the RS-125 spectrometer with full assay capability, data storage and PC connectivity

Temperature Range

- -20 to +50 degrees Celsius

Control

- Single one button, thumb activated

Audio

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

Weight

- 3.6 lb (1.6 kg) including batteries



Size & Package Style

- 10.2" x 3.2" x 3.8"
(259 mm x 81. mm x 96 mm)
- 1 mm aluminum thick outer case
- In a flashlight configuration with side support strap, wrist strap and optional detachable handle

Display

- 128 x 64 pixels, 1 1/8 x 2 3/8"
- Graphic LCD display with white backlight 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 (4xAA) easily replaceable
- Rechargeable or Alkaline
- Life: 8 + hours at 20 degrees C



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Radiation Solutions Inc. is a Canadian company specializing in nuclear instrumentation for the detection, measurement and analysis of low level ionizing radiation from both naturally occurring or man made sources.

RSI's focus is the design and manufacture of airborne and mobile systems using advanced DSP (Digital Signal Processing) technology. This technology provides a level of quality previously only attainable in laboratory equipment.

RSI's philosophy is to work as closely as possible with customers in all aspects of the product life cycle including: product requirement, application, training, support and product improvement. It is this philosophy that will enable RSI to supply industry leading software techniques and hardware components that not only meet, but exceed the customer's requirements.