

## RS-120 Super-SCINT Handheld Gamma-Ray Scintillometer

### APPLICATIONS



### FEATURES

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

### 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 industries. 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, confirming radioactive content in waste, or confirming contrasts between geological units.



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## SPECIFICATIONS

# RS-120 Super-SCINT

## Handheld Gamma-Ray Scintillometer

The large NaI detector offers 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-ray isotopes including geological, medical, nuclear, industrial, and NORM.

The large, easy-to-read five-digit front panel display updates at a once per second rate, including a scrolling histogram with the last 100 readings, greatly simplifying the source localization. The integrated audio scans at a 20 times per second data rate providing unique audio feed back for eyes-free operation and fast source localization.

The special rugged design of the RS-120 withstands typical field use and is weatherproof, providing water and dust protection. The instrument's protective boot provides extra protection when scanning through rough materials such as rock, scrap metal, or waste. The easy carrying strap and can be quickly decontaminated or replaced when required.



### Large 2" x 2" NaI(Tl) crystal, 6.3in<sup>3</sup> (103cm<sup>3</sup>)

- 1024 channels
- Energy Range 30keV - 3000keV

### Readout

- Counts in CPS from 0 to 65,535 and histogram chart

### Audio via miniature speaker

- Variable audio threshold set point
- Audio proportional to count rate, internal sampling 20/second

### Single button control

### Graphic LCD display 1 1/8" x 2 2/3" with white backlight and automatic dimming

### Temperature Range -20°C to +50°C

### Size and Weight

- 10.2" x 3.2" x 3.8" (259mm x 81mm x 96mm)
- 4.4lb (2kg) including batteries

### Internal detachable battery pack

- Typical Life 8+ hours at 20°C
- 4 x AA type rechargeable or alkaline

### Standard RS-120 Package

- RS-120 Scintillometer with carrying handle
- Removable protective boot with shoulder strap
- Battery cartridge with 4 x AA rechargeable batteries and charger
- Spare battery holder cartridge
- RS-Analyst utility software
- User guide
- Delivered in hard case with foam insert

Specifications subject to change without notice 07/21



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