

Introducing the

RS-120 Super GAMMA SCINTILLOMETER



RS-120 – Ideal For Field Exploration

The RS-120 Gamma-Ray Scintillometer is the state-of-the-art in a portable hand-held radiation survey search device for the geophysical industry. 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.

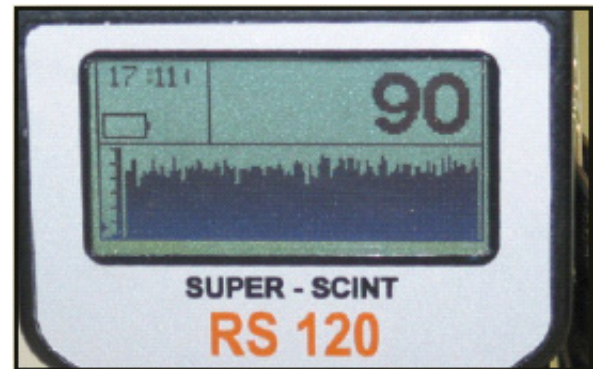


Features Include:

- ❑ High Sensitivity with large 2.0 x 2.0 NaI crystal 103 cm³ (6.3 in³)
- ❑ Survey mode with search capability showing numeric display and audio output
- ❑ Lightweight & rugged 4.4 lb (2 kg), including batteries
- ❑ Easy to use, single button operation
- ❑ Display
 - 5-digit LCD display with high count rate – 65,535 cps
 - 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, full IP67 weatherproofing, short term water immersion, and fully dust protected
- ❑ Low power (4 x AA batteries)
 - Typical 8 – 12 hour battery life at 20oC
- ❑ Supplied in hard case with molded insert for shipping and storage
- ❑ No radioactive sources required for proper operation

Survey Mode (Total Count)

Total count display on front panel in cps at 1/sec. update rate. A loud linear audio permitting eyes-free operation. The large easy to read 5 digit display provides a 0 to 65,500 count with a wide dynamic range with no overflow.



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
- Upgradable to RS-121 at an additional charge



Specifications:

Temperature Range:

- -20 °C to +50 °C

Control:

- Single one button, thumb activated

Internal Memory:

- None

Data Output:

- None

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" (259mm x 81 mm x 96 mm)
- 1 mm thick outer case
- In a flashlight configuration with detachable handle

Display:

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



Specifications subject to change without notice # 09.08