Introducing the

RS-125 Super-SPEC

Handheld Radiation Detector

Providing Search and Assay Modes of Operation

RS-125 - Ideal For Field Exploration

The new RS-125 Spectrometer is the state-of-the art in portable hand-held radiation survey search devices for the geophysical industry. It offers a integrated design with a large detector, direct Assay data, data storage, full weather protection, ease of use and highest sensitivity in the market segment.

Features include

- **Large sodium iodide detector, 6.3 in^3 (103 cm^3)**
- **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**
- **Adjustable audio threshold set point**
- **Special rugged design to withstand typical field usage, full IP67 weatherproofing short term water immersion and fully dust protected**
- **Digital LCD display**
- **Low power (4 x AA Batteries) typical 8-12 hour battery life at 20° C**
- **High count rate - 65,535 cps**

RADIATION SOLUTIONS INC

Introducing the

RS-125 Super-SPEC

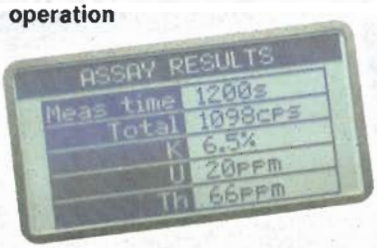
Handheld Radiation Detector

Providing Search and Assay Modes of Operation

Search & Assay Modes

In addition to a Search mode, the unit also features an Assay mode. The assay mode provides the concentrations of K, U and Th as shown in the display below. The user can select the desired sample time.

- **High Sensitivity**
- **Lightweight and rugged**
- **Fast Response**
- **Search mode readout in counts per second and histogram chart**
- **Assay mode 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
- USB connection for remote operation and firmware upload

Options

- Optional detachable handle
- Optional spare battery module for "instant" replacement

Temperature Range

- -20 to +50 degrees Celsius

Control

- Single one button, thumb activated

Alarm

- 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 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

Readout

- Search mode: Counts in CPS from 0 to 65,535 and histogram chart
- Assay mode: Display in %K, ppm of U & Th

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

RADIATION SOLUTIONS INC

160 Matheson Blvd, Unit 4, Mississauga
Ontario Canada L4Z 1V4
Tel 905-890-1111
Fax 905-890-1964
e-mail sales@radiationsolutions.ca
web www.radiation-solutions-inc.com

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.