Providing Survey, Scan & AssayModes of Operation

RS-125 - Ideal For Field Exploration

The RS-125 Spectrometer is the industry standard in portable handheld gamma ray survey devices for geophysical applications. It offers an integrated design with a large detector for survey or search, direct Assay readout, scan mode, and data storage. It offers weather protection with ease of use. Bluetooth (BT) connectivity provides wireless connection to a Bluetooth-enabled external GPS receiver, earphone, or computer.

FEATURES

- High sensitivity with large 2” x 2” NaI crystal 6.3 in³ (103 cm³)
- Lightweight & rugged 4.4 lb (2 kg) including batteries
- Easy-to-use, single button operation
- Survey, scan, and Assay modes of operation
- Assay mode readout in %K, ppm of U & Th
- Auto-stabilizing on naturally-occurring radioelements
- 5-digit LCD display with scrolling histogram graph display of last 100 readings
- Fast audio output with adjustable audio threshold set point
  - BT earphone audio support for surveying in noisy environments
  - Unique audio feedback
- Bluetooth and USB equipped with external GPS integrated into data stream via BT
- 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

APPLICATIONS

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RS-125 Super-SPEC
Handheld Gamma-Ray Spectrometer

The RS-125 allows the user to produce profiles of the total count data from either the Survey, Scan or Assay modes. The data can be obtained from a continuous drill core or from a survey with GPS positioning data.

Survey Mode
The total count read out is typically set at a once per second rate. The range is variable from 1-20 sec. integration. When used with a GPS receiver, data can be stored and profiles produced. It is ideal for both area and drill core scanning.

Assay Mode
The assay mode provides the concentrations of K, U and Th. The user can select the desired sample time from 30 to 1800 seconds. On-the-fly assay is a feature available when automatically recording the data and is at a minimum of 30 second intervals.

RS-Analyst Software
The RS-125 comes complete with RS-Analyst utility software to download data stored in the instrument's memory. All data in memory is output via Bluetooth or USB to the RS-Analyst program on a PC. This may take the form of 1024 channel spectra, data or scan data & GPS. The program also gives graphical and numeric views of the data. The data can also be re-exported as a text file for further processing.