



APPLICATIONS



FEATURES

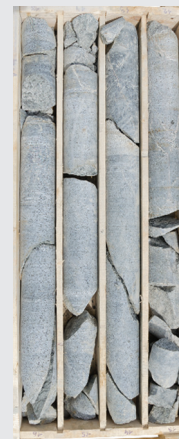
- ✓ Portability
- ✓ Precision
- ✓ Sensitivity
- ✓ Accuracy
- ✓ On-site utility
- ✓ Quick results
- ✓ Complements other techniques



RS-330 Series Portable Gamma-Ray Spectrometer

Accurate interpretation of complex surface and subsurface environments can benefit from using a suite of instruments that measure different physical and chemical parameters of the earth. The RS-330 portable gamma ray spectrometer is a practical cost effective instrument that provides complementary data to the current main analytical methods.

The RS-330's ease of operation and advanced technical features allow for rapid measurements and aid the user's understanding of the depositional environment. Field operators, technicians, geoscientists and engineers will find RSI's spectrometer applicable to a range of environments and projects at different stages of evaluation.



00 32 [status icons]

Area_300

| | | | |
|---|-----------|---------------|---------|
| 1 | K | 0.94 +/- 0.08 | % |
| 2 | U | 2.9 +/- 0.4 | ppm |
| 3 | Th | 14.6 +/- 1.1 | ppm |
| 4 | Dose | 92 | nrem |
| 5 | Dose rate | 6.1 | µrem/hr |

Measurement completed



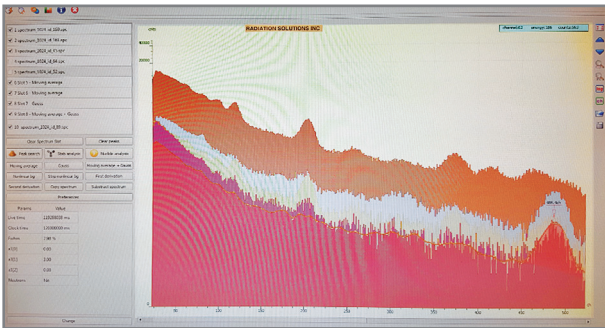
RS-330

Portable Gamma-Ray Spectrometer

The RS-330 portable gamma ray spectrometer is a new addition and advancement in RSI's lightweight field spectrometers providing high sensitivity for geophysical, environmental and engineering applications. Special features and options ensure users quality results in the field. Options are available to change parameters for borehole or collimated setups. Advanced users are able to define and input their own measurement method. For operation in areas of unknown or concerning levels of radiation the RS-330 has several alarms that can be set to a specific level of radiation. In addition to K, U and Th users are able to record other radionuclides including Cs, Am and Ba.

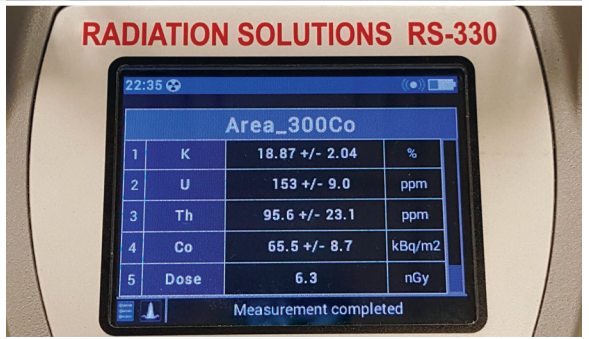


As a portable tool it affords rapid turnaround for onsite sample analysis. In field projects that use multidisciplinary instrumentation, the RS-330 provides nondestructive measurements that can be easily scheduled into and around other lengthy and expensive operations.



| Model | Crystal (size, type) | Collimated | Dimensions (mm x mm) | Weight (kg) |
|----------|----------------------|------------|----------------------|-------------|
| RS-330 | 3"x3" NaI | No | 540 x 125 | 4.0 |
| RS-330B | 3"x3" BGO | No | 540 x 125 | 6.5 |
| RS-330C | 2"x2" NaI | Yes | 460 x 125 | 8.8 |
| RS-330BC | 2"x2" BGO | Yes | 460 x 125 | 9.0 |

Sensitivity (RS-330): 2π geometry
 200 cpm/% K. 18 cpm/ppm U. 8 cpm/ppm Th



- ✓ Easy Operation
- ✓ Software Spectrum analysis
- ✓ Multiple configurations
- ✓ Quick results
- ✓ Complements other techniques
- ✓ No radioactive sources required
- ✓ Large detectors, NaI or BGO
- ✓ Collimators, Additional shielding options
- ✓ Playback/review data in real time
- ✓ Audio (enhances scan/survey efficiency)
- ✓ Alarms



- ✓ Multiple modes, integrated sensors (including GPS) & measurement methods
- ✓ USB, WiFi
- ✓ Calibrated by Radiation Solutions (RSI) to international standards

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