

GR-135 Plus "Identifier"



Sensitive, accurate survey meter and nuclide identifier for rugged field applications



The EXPLORANIUM GR-135 Plus "Identifier" is a complete solution for detecting and identifying radiation sources

The challenge: Quickly and accurately detect and identify gamma and neutron sources in the field despite rugged terrain, harsh weather and other difficult conditions. The solution: the EXPLORANIUM GR-135 Plus "Identifier." Fast, sensitive and accurate. Lightweight and rugged. Easy to carry and use, even in tough real-world scenarios.

Lift the GR-135 Plus from its docking station and it's active in survey mode. The large, backlit display shows real-time count, count rate and dose rate in numeric and graphic format, with audio feedback for eyes-free operation. Press the joystick on the handle at any time to identify isotopes. Store thousands of time-stamped readings for later analysis. And simply return the GR-135 Plus to its docking station to recharge, recalibrate, and upload stored readings.

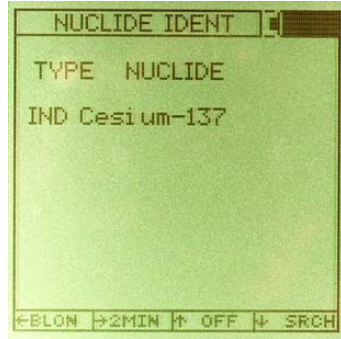
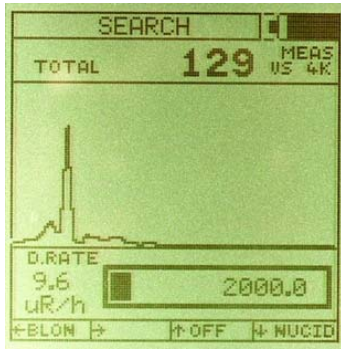
Key features

- Sensitive real-time search for gamma and neutron sources
- One click to identify SNM and other nuclides
- Easy one-hand, one-touch operation
- Rugged design for harsh conditions
- Docking station for recharge, calibration and data upload
- Complies with ANSI and CE RFI and EMI requirements

The GR-135 Plus is specially designed to identify SNM. With its sophisticated analysis techniques, the GR-135 Plus can identify a variety of SNM isotopes despite low levels or masking.



GR-135



The GR-135 Plus displays survey and nuclide identification data in graphic and text formats

Sensitive, accurate, easy to use

The GR-135 Plus uses a variety of sophisticated techniques to accurately detect and identify nuclides, including a 1,024-channel high-resolution analyzer; stabilized, thermally corrected gain; and pulse pile-up rejection to reduce errors at high count rates. Users can define energy ranges to search for specific nuclides. The unit includes four predefined nuclide libraries, and SAIC can provide custom libraries for specific applications.

The unit is easy to carry and use in one hand using the thumb joystick. Typical operations are simple and automatic. The large, backlit LCD display features auto-scaling and zoom for graphs, and can display text in many languages. Audio feedback lets users search without watching the unit. Advanced users can customize alarm levels and other parameters for specific applications.

The GR-135 Plus can store thousands of time-stamped readings in non-volatile memory. Users can quickly replay and re-analyze stored readings on the unit. In its docking station, the unit can upload stored data to standard workstations for more detailed analysis using the powerful IdentiVIEW application, and for transmission and archiving.

Built for tough, real-world conditions

The rugged GR-135 Plus stands up to temperature, dirt and moisture in harsh conditions and withstands the typical shock and vibration of use in the field. SAIC's annual performance service provides testing, calibration, adjustment, software upgrades and more to keep the unit operating at its best.



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| Energy range | 20 keV – 3.0 MeV |
| Resolution | Better than 7.5% FWHM at 662 keV |
| Data storage | 40,000 dose samples, 185 spectrum samples |
| EM compliance | Complies with ANSI N42.34 and CE requirements for safety, RFI and EMI |
| Physical | Dimensions: 229 mm long x 102 mm wide x 172 mm high (9 in long x 4 in wide x 6.75 in high) Weight: 2.2 kg (4.8 lb) |
| Environmental | Operating temperature: -10° to 50° C (14° to 122° F) Relative humidity: 93% non-condensing at 40° C (104° F) |
| Battery life | Continuous operation: 8 hours (rechargeable), 12 hours (alkaline) |

