

rad-ID

Handheld Isotope Identifier G/G-Plus/GN/GN-Plus



detection
identification
radiation

Accuracy, speed, multiple versions and capabilities make the rad-ID ideal for use by:

- First Responders
- Hazmat teams
- Fire Departments
- Coast Guard Inspectors
- Vehicle Inspectors
- Cargo Inspectors
- Package Inspectors
- Public Safety Departments

HAND-HELD ISOTOPE IDENTIFIER FOR ACCURATE IN-FIELD ANALYSIS

The Rad-ID™ offers radiation safety professionals, inspection and interdiction teams, and federal agencies a highly accurate and reliable in-field tool to detect, identify and quickly classify radiological hazards as to exact isotope, dose rate and location of greatest concentration. Medical, Industrial and Special Nuclear Materials (SNM) isotopes of significance are all included in the extensive radiation library. With four models now available, the Rad-ID is more flexible than ever before and meets the performance and budgetary demands of all users. Designed to be rugged and easy to operate, the Rad-ID can rapidly provide critical isotope identification for non-technical users and extensive analysis for highly trained personnel within minutes. When used with detectors such as the D-tect Systems Rad-D™ and Mini Rad-D™, huge areas can be inspected and protected from radiological hazards at a low cost. An IrDA and a BlueTooth® wireless interface allows uploading of data via email / internet as well as downloading additional identification criteria to the search library if required. The Rad-ID now features a standard 2 Year Manufacturers Warranty.

Rad-ID G

The gamma only Rad-ID G incorporates all of the best in class radiation detection and identification that the Rad-ID has been renowned for, in a rugged, cost competitive product. The Rad-ID G uses four CZT detectors, one GM Tube, and one large (24.4 cm³) NaI crystal.

Rad-ID G-Plus

The G-Plus targets those demanding applications requiring highly responsive, rapid detection and identification of gamma radiation sources. The Rad-ID G-Plus uses 8 CZT detectors and continues to provide all the benefits of the Rad-ID G, while performing measurements and identification of low level radiation sources up to 50% faster.

Rad-ID GN and GN-Plus

The Rad-ID GN and GN-Plus incorporate a He3 neutron detector with the G and G-Plus models respectively for users that demand neutron source identification. Both versions utilize the exclusive "Sensor Fusion" technology for an unequalled level of radiation security. The GN and GN-Plus are still useable by personnel with little understanding of radiation physics and low levels of training.



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FEATURES

- Positive isotope ID following detection of gamma radiation
- Quickly identify isotopes of interest to rule out possession of illicit radiological sources
- The Rad-ID GN and GN-Plus identify the presence of neutrons emitted by SNM's
- Allows first responder teams or inspection personnel to develop a plan of action following an ID
- Results can be uploaded and forwarded via email to qualified resources for further analysis



SPECIFICATIONS

Versions:

Rad-ID G

- Four large CZT (4 cm²) array allows fast photon collection and accuracy
- Large 24.4 cm³ NaI(Tl) crystal to allow sensitive detection and rapid collection of photons
- GM tube to detects gammas and betas - handles high flux environments

Rad-ID G-Plus

- Eight large CZT (4 cm²) array allows fast photon collection and higher accuracy
- Large 24.4 cm³ NaI(Tl) crystal to allow sensitive detection and rapid collection of photons
- GM tube to detects gammas and betas - handles high flux environments

Rad-ID GN

- Large 4 cm² CZT (4) array allows fast photon collection with high accuracy
- Large 24.4 cm³ NaI(Tl) crystal to allow sensitive detection and rapid collection of photons
- He3 detector for high-probability neutron detection
- GM tube to detects gammas and betas - handles high flux environments

Rad-ID GN-Plus

- Large 4 cm² CZT (8) array allows fast photon collection with high accuracy
- Large 24.4 cm³ NaI(Tl) crystal to allow sensitive detection and rapid collection of photons
- He3 detector for high-probability neutron detection
- GM tube to detects gammas and betas - handles high flux environments

4096 channel MCA

Dose measurement range: 2 uR/Hr to 15 R/Hr (.02 uSv/Hr to 150 mSv/Hr)

Energy Ranges:

CzT - 20 keV – 400 keV

NaI - 300 keV – 3000 keV

He3 - Thermal -14 MeV

GM Tube - 50 keV – 2000keV

Constant radiation level readout for user safety

User expandable identification database

Wireless (Bluetooth) and IrDA communication allowing measured data to be downloaded and emailed instantly.

High resolution, 65,000 color, 3.6 inch display (320 x 240), backlit for easy reading in all light conditions

Comfortable shoulder-strap for extended use

Adjustable alarm levels

IP 65 Compliant as described in IEC529

Operational outside temperature range: 5° F to 130° F (-15° C to 55° C)

Thermally corrected sensors

Auto-scaling Display

PC communication software

User selected measurement units

Dimensions: 4" x 5.4" x 11.1" (102mm x 137mm x 282mm)

Weight: 5.7 lbs (2.6 kg), including batteries

Operates on 3 "D" cell batteries with an operational life of 12 hours or longer

Carrying Case – Storm iM2500

- Inside Dimensions - 20.5" x 11.5" x 7.2" (521mm x 292mm x 183mm)
- Outside Dimensions - 21.7" x 14.1" x 8.9" (550mm x 358mm x 226mm)



CE Conforms with the requirements of the following directive: 89/336/EEC
Electromagnetics Compatibility – EMC Through compliance of the following
Standards: EN 61000-4-8; EN 61000-4-3; EN 61000-4-2;