

rad-ID™



Accuracy, speed and many capabilities in one easy to use device 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

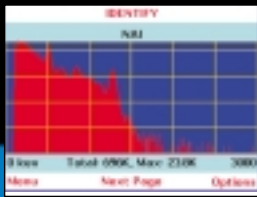
The rad-ID™ offers public safety and federal agencies a highly accurate and reliable in-field tool to detect, identify and quickly classify radiological hazards as to exact isotope, dose rate and location of greatest concentration. Over 110 Medical, Industrial and SNM isotopes of significance are included in the extensive radiation library. 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 gamma detectors such as 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.



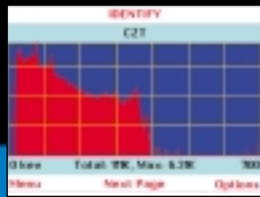
rad-ID™

FEATURES AND BENEFITS

- Positive identification of isotope following detection of gamma radiation by mini rad-D or rad-D
- Quickly identifies medical isotopes to rule out unauthorized possession of a radiological agent
- Quickly identifies presence of neutrons emitted by SNM's (Special Nuclear Materials)
- Allows first responder team or inspection personnel to develop a plan of action following identification
- Identification results can be uploaded via email to DOE personnel for further analysis



NAI MEASURED SPECTRA



CZT MEASURED SPECTRA



SPECIFICATIONS *

Accurate, rapid Detection and Identification of over 110 medical, industrial, and SNM isotopes

Detects Gammas, Neutrons, Betas, and high-energy X-rays

Four independent sensors:

- Large 4 cm² CZT array allows fast photon collection with high accuracy
- Large 24.4 cm³ NaI(Tl) crystal to allow sensitive detection and rapid collection of photons
- Large volume (83 cm³) He3 detector for high-probability neutron detection
- GM tube to detects gammas and betas - handles high flux environments without saturation

4096 channel MCA

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 (320x240), backlit for easy reading in all light conditions

Comfortable shoulder-strap for extended use

Adjustable alarm levels

Thermally corrected sensors

Auto-scaling Display

PC communication software

User selected radiation units

Weight: 5.7 lbs, including batteries

Operates on 3 "D" cell batteries with an operational life of 36 hours or longer

Operate in heavy rain

Operational outside temperature range: 5° F to 130° F

Well-shielded for operation in high-EMI environments

ABOUT D-TECT SYSTEMS

Founded in 2001 as a division of Mission Research Corporation, D-tect Systems is focused exclusively on combating the urgent threat from radiological, chemical and other hazardous substances. Applying 32 years of expertise in radiation physics, spectral identification and advanced sensor technology, D-tect products are manufactured and assembled in the USA. Our mission is to provide homeland defense and other services with the most powerful, affordable, and deployable detection and identification solutions available.



For more information, contact:
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www.LaurusSystems.com

*Specifications subject to change



rad-ID Isotope Identification List / Library
2 Feb 04

Special Nuclear Material Isotopes	Medical Isotopes			Industrial Isotopes	
U-233	Be-7	Ru-103	Tb-149	U-236	Ce-144
Pu-239	Sc-46	Cd-109	Eu-152	Na-22	Nd-147
U-235	Sc-47	Pd-109	Gd-153	K-40	Yb-169
Np-237	Ca-47	In-111	Sm-153	Cr-51	Hf-181
	Mn-52	Sn-117m	Eu-155	Mn-54	Ir-192
	Co-55	I-123	Dy-165	Co-58	Bi-207
	Mn-56	I-124	Tm-170	Fe-59	Th-229
	Co-57	I-125	Lu-177	Zn-65	U-238
	Co-60	I-126	Ta-182	Se-75	U-234
	Cu-61	Xe-127	Re-186	Y-88	Th-230
	Ga-68	Cs-130	Re-188	Zr-95	Ra-226
	Sr-85	Xe-131m	Os-194	Nb-96	Pa-231
	Zn-62	I-131	Au-198	Rh-106	Pu-240
	Ga-64	Te-132	Tl-201	Ag-110m	Th-232
	Ga-67	I-132	Pb-203	Sb-124	Am-241
	Cu-67	Xe-133	Mo-99/Tc-99m	Sb-125	Cf-251
	Se-72	Xe-133m	Sm-145	Sb-127	Pu-238
	As-74	I-133		Ba-133	As-72
	Br-75	I-134		Cs-134	Sr-90
	Br-77	I-135		Cs-137	
	Nb-95	Xe-135		Ce-139	
	Tc-96	Ce-141		Ba-140	
	Ru-97	Pr-144		La-140	