rad-ID™

You Found It. Is it Dangerous?

FEATURES

- One button operation
- 4 detector types
- Identifies 91 radionuclides
- Bluetooth enabled for remote operation

The Rad-ID is an advanced radiation laboratory-in-a-box that is easy to use with almost no training - identifying a radiation source requires pressing a single button. The Rad-ID uses a custom combination of up to four different detectors to identify 107 different radioactive materials including:

- Medical isotopes
- Industrial isotopes
- Special nuclear materials

Advanced signal processing electronics combine the data to identify the source. Competing products use one or two detectors, and identify far fewer isotopes, often requiring public safety personnel to guess the category of the unknown isotope. In addition to material identification, the Rad-ID is an advanced radiation detector, allowing public safety personnel to sweep large numbers of people, packages, or vehicles quickly to locate radiation.

The Rad-ID also houses a built-in Bluetooth wireless data link, allowing measurements to be sent to a PC from up to 300 feet away. The Rad-ID is can be used in all weather conditions and will endure rigorous decontamination procedures. Also, radiation measurements are stored in memory that can be sent to a computer at a later time. Even with no power, the Rad-ID won't lose the measurements that were made. All the Rad-ID needs to operate are 3 off-the-shelf D-cell batteries. No charger and no special power supply means that the Rad-ID is ready when you are!

D-TECT PRODUCTS

Rugged, Sensitive & Easy to Use

RAD-ID SPECIFICATIONS

Mission	Handheld radiation identifier and detector
Detector	1. Large 4 cm^3 array of Cadmium Zinc Telleride (CZT) high-resolution crustals 2. Large 24.4 cm^3 Sodium Iodide detector with high-sensitivity photo-multiplier tube 3. He3 neutron detector 4. Geiger-Mueller detector
Display	High-resolution 65,000 color 3.6" (320 x 240) backlit LCD
Datalinks	Bluetooth (Class 1, 100 meter range) or IRDA
Power	Three D-cell batteries
Battery Life	12 hours
Response Time	Less than 1 second
Calibration	Automatic (Background)
Alarms	Dose rate level, gamma detection level, neutrons
Units	mrems/hr, μSv/hr, μR/hr
Relative Humidity	0-100% condensing
Warranty	2 years parts and labor
Dimensions	7.5" x 5.3" x 11.2" (19 cm x 13.5 cm x 28.4 cm)
Weight	7.45 lbs (3.38 kg) with batteries
Environment	Driving rain per Mil-STD-810. 5° F to 130° F (-15° C to 54° C). 3 ft drop onto concrete in case. Operates in high RF environments.

RADIONUCLIDE LIBRARY

Na-22	Sr-89	I-132	Dy-165
K-40	Zr-95	Te-132	Yb-169
Sc-46	Nb-96	Ba-133	Tm-170
Ca-47	Tc-96	I-133	Lu-177
Cr-51	Mo-99	Xe-133	Hf-181
Mn-52	Tc-99m	Cs-134	Ta-182
Mn-54	Pd-103	I-134	Re-186
Co-55	Ru-103	I-135	Re-188
Mn-56	Rh-106	Xe-135	Ir-192
Co-57	Cd-109	Cs-137	Tl-201
Co-58	Pd-109	Ce-139	Pb-203
Fe-59	Ag-110m	Ba-140	Bi-207
Co-60	In-111	La-140	Ra-226
Zn-62	I-123	Ce-141	Th-232
Ga-64	I-124	Ce-144	U-233
Zn-65	Sb-124	Pr-144	U-235
Ga-67	I-125	Sm-145	Np-237
As-72	Sb-125	Nd-147	U-238
As-74	I-126	Tb-149	Pu-239
Se-75	Sb-127	Eu-152	Pu-240
Br-75	Xe-127	Gd-153	Am-241
Br-77	I-131	Sm-153	Cf-251
Y-88	Xe-131m	Eu-155	

RAD-ID VERSIONS

Part Number	Product Code	Detectors
V012801	RAD-ID-G	NaI(Tl), Geiger-Mueller, 4 CZT crystals
V012802	RAD-ID-G+	NaI(Tl), Geiger-Mueller, 8 CZT crystals
V012803	RAD-ID-GN	NaI(Tl), Geiger-Mueller, Neutron, 4 CZT crystals
V012804	RAD-ID-GN+	NaI(Tl), Geiger-Mueller, Neutron, 8 CZT crystals

D-tect SYSTEMS™

11814 S. Election Road, Ste. 200, Draper, UT 84020

www.dtectsystems.com

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