banner = 92"L X 6"H

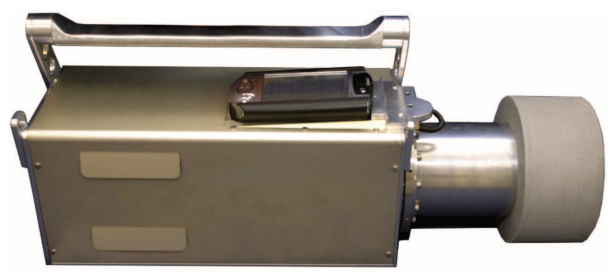
Lawrence Livermore National Laboratory

Defense-funded science in support of our nation made available through industrial partnerships

National Nuclear Security Administration

3 posters = 29"L x 36"H

RadScout



RadScout is:

- **A radiation detector**
  — Detects presence of radioactive materials
- **A radiation identifier**
  — Quickly identifies type of radioactive material
  — THE ONLY ONE OF ITS KIND
- **Portable**
  — Hand-held unit
- **Completely self-contained**
  — No extra hardware
- **Easy to use**
  — Short learning curve

RadScout can:

- Scan airport luggage
- Identify illegal mail
- Verify shipments
- And more...

"RadScout is an excellent example of NNSA Laboratories providing solutions to help ... improve homeland security and assist in the war on terrorism."

— Ambassador Linton Brooks
Administrator NNSA

"This is a good example of working with partners to make homeland security stronger. RadScout represents a breakthrough in radiation detection and identification technology ... reduces existing bulky equipment to a compact, lightweight ... device ..."

— Dr. Michael Anastasio
Director LLNL

Defense & Nuclear Technologies

TECHNOLOGY TRANSFER PROCESS

- **Timely, national security-driven need**
- **Complimentary technology**
  — U. S. company
  — Immediate production capabilities
- **Multiple licenses negotiated**
  — Patent
  — Copyright
- **Technology transfer innovations**
  — Real-time process
  — Detailed technical data package transferred
  — Quality/performance product requirements negotiated and incorporated
  — Team approach (IPAC, Program, ORTEC) to do the right thing for national security

ORTEC®

Detective
HPGe-Based Portable Nuclide Identifier

Introducing the ORTEC Detective
The ONLY HPGe-Based Portable Nuclide Identifier

POSITIVE IDENTIFICATION OF RADIOACTIVE MATERIALS

- Rapid, Simple and Reliable Classification of NORM, Medical, Industrial, Nuclear and Natural Isotopes via advanced algorithms
- Search and Identify Modes, including dose rate
- 20x Improvement in Resolution (selectivity) compared to identifiers based on NaI
- Portable, battery operated instrument
- Ready to use at all times, straight from docking station
- Digital spectrometer electronics
- A definitive portable answer to the detection of illicit trafficking
- HPGe detector cooled by miniature, high-reliability mechanical cooler that operates from battery, line power or from 12 V DC
- Performance enhanced by digital noise filter[1]
- Detector element encapsulated in high reliability, low loss, all-metal seal cryostat
- Proprietary identification software

[1]Patent Pending

ISO 9001 2000

AMETEK®
ADVANCED MEASUREMENT TECHNOLOGY

" ... our new product, the Detective, will play an essential role in combating the potential threat of radioactive materials entering our country."

— Mr. Jon Kidder
Vice President and General Manager
AMETEK

available space = 8'-0"L x 4'-0"H (represented by grey background)