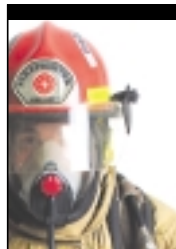


# rad-D™



## SNM DETECTOR FOR CONTAINER AND CONVEYOR BELT PACKAGE INSPECTION

The **rad-D** is an ultra-sensitive radiation detector designed to provide maximum monitoring accuracy and security in doorways, on conveyor belt systems, in vehicles, and other fixed screening installations. The rad-D is built to Government specifications as a direct replacement for RADUSA instrumentation, and can detect even minute traces of gamma radiation. A shielded version can be co-located with X-Ray screening machines to inspect luggage and packages. If desired, the rad-D's adjustable field of detection can be focused to a narrow beam to allow inspection of a single package at a time. The rad-D's modular design permits the operator control and display box to be conveniently located up to 20 feet away from the detector, accommodating a wide range of real-world environments. Readouts present information within 1 second of detection.

Flexibility, functionality, and affordability make the rad-D a practical solution for use in:

- Airport, rail and bus terminal security
- Shipping and receiving points / conveyer operations
- Security check-points in key government and commercial facilities
- Border check-points recreational events, convention centers



## FEATURES AND BENEFITS

- 24/7 operation
- No maintenance required
- Easy to use – no special training required
- High sensitivity
- Calibrates out background radiation to minimize false alarms
- Rapid operation (under 1 second) to allow complete inspections of all on a packages conveyor belt system

## SPECIFICATIONS

<b>Function</b>	Gamma ray detection
<b>Detector</b>	Sodium Iodide doped with Thallium Scintillator
<b>Power</b>	Regular 120VAC
<b>Response Time</b>	< 1 second
<b>Notification</b>	Audio alarm and LED with readout "1" through "9" with "9" highest
<b>Calibration</b>	Automatic
<b>Calibration Biasing</b>	16-position switch; allows manual setting for operation in high-radiation environments
<b>Placement</b>	Can be mounted on walls, vehicles, machinery, x-ray machines and conveyer belt systems
<b>Size</b>	Detector: 5" Dia, 17.5" length Control Unit: 6.75" x 4.2" 3"
<b>Weight</b>	Detector: 27.5 lb; Control Unit: 1.5 lb
<b>Environment</b>	Any normal temperature controlled environment



## 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.

