



EXPLORANIUM[®]

AT-980 Radiation Portal Monitor

A sensitive, fast, economical solution for detecting nuclear threats

The AT-980 radiation portal monitor (RPM) detects nuclear material in cargo containers, trucks, and other vehicles in the normal flow of checkpoint traffic.

The system detects extremely low levels of gamma and neutron radiation in a single scan and shows the location of the radioactive source in the vehicle.

Combining outstanding performance with high throughput and simple operation, the AT-980 RPM is ideal for border crossings, ports, industrial facilities, public buildings, and other high-traffic locations.

Leidos has manufactured thousands of RPMs for government and commercial clients in the U.S. and around the world.

BENEFITS

- ▶ Detects and locates nuclear threats
- ▶ High throughput — designed for primary inspection scenarios
- ▶ Low false alarm rate — better than 1:10,000
- ▶ Field proven in installations around the world

FOCUS ON NUCLEAR THREATS

The AT-980 RPM is especially sensitive to special nuclear material (SNM) that could be used in nuclear weapons, and to commercial sources that could be used in "dirty bombs." The AT-980 is designed to detect these materials even when they are shielded or masked.

HIGH PERFORMANCE

The AT-980 RPM uses sensitive gamma and neutron detectors, sophisticated analysis techniques, and low-noise signal processing to provide enhanced sensitivity to low-level sources, meeting applicable portions of the challenging ANSI N42.35-2006 standard. The AT-980 rejects naturally occurring radioactive materials, achieving a false alarm rate better than 1:10,000.

EASY TO USE

The AT-980 RPM is very easy to use, with clear alarms and a simple, graphical operator workstation. The system is designed to support a variety of operations and alarm response procedures. Up to 32 RPMs can be networked together to enable monitoring at a central location.

LEIDOS — A WORLD LEADER

Leidos is a world leader in radiation detection technology, with thousands of installations for government and commercial clients around the world. Every RPM is available with our dedicated installation, training, maintenance, and technical support.

CAPABILITIES

- ▶ Scans vehicles in the flow of typical checkpoint traffic
- ▶ Detects SNM even when shielded or masked
- ▶ Meets applicable portions of ANSI performance standards
- ▶ Graphically displays the location of radioactive sources in scanned vehicles
- ▶ Network capability for centralized operations

OPTIONS

- ▶ Surveillance camera package
- ▶ Additional detector panels for oversized vehicles

