



# Critical Infrastructure Protection

● Toxic Gas Threat Mitigation – Bruker **RAPID™**

# Choose Innovation – Choose Bruker

Bruker is recognised as the leading authority on the use of detection and identification technologies to mitigate the threat from the accidental or deliberate release of toxic gases, explosives and radioactive materials that could kill and injure civilians.

We offer the world's most comprehensive range of threat detection and identification solutions and can help you to assess how these can be best employed to protect people and property.

We develop, manufacture and supply technology worldwide for a range of customers and end users that need to protect people and property.

These include, but are not limited to governments, commercial enterprises and multi-national corporations who need to protect their employees and clients from the ever-increasing threat from terrorism.

Bruker is strongly committed to meeting its customers' needs by continuing to revolutionise the design, manufacture and distribution of detection tools based on our core technologies; by providing solutions that are regarded as the 'Gold Standard' by threat mitigation experts.



Bruker Detection products are carefully manufactured and configured in Germany, and are not subject to ITAR (International Traffic in Arms Regulations) controls".

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# Chemical Threat Mitigation: Bruker RAPID™

The Bruker RAPID (Remote Air Pollution Infrared Detector) is a standoff detection system that both detects and identifies toxic gas or vapour threats from distances of just a few metres up to several kilometres.

This robust, passive detection system can be installed permanently at specific locations; indoors or outdoors, or deployed as required on a tripod. It performs real-time screening for toxic hazards that can represent a serious threat to people and property. When a substance is found that matches the profiles in its database, it detects alarms and identifies that substance within seconds; so the nature of the threat can be understood. The RAPID detection database includes all known chemical warfare agents and more than 80 critical toxic industrial chemicals.

RAPID integrates a sensitive detection system with a colour camera, the latter feature enabling the operator to direct the detection sensor to specific locations. Alternatively, by creating a full colour panoramic preview of the area around an installation, such as an underground station platform or an airport concourse, the operator can select multiple regions in that panorama that merit special attention. For example, these locations can include pinch points where passengers enter and exit the facility. These are prime locations for deliberate or accidental releases, which can inflict maximum casualties, and hence merit close attention from infrastructure operators. Full technical details of RAPID are shown in the RAPID Product Specification Sheet, a copy of which is available upon request.



# Global Resources – Local Focus



Bruker has support centres of technical expertise in every major area of the world providing sales, applications and engineering support for our complete product range. With more than 6,000 employees at 90 locations worldwide you can be confident that the support team fronts a uniquely integrated global resource. Research and development specialists, applications professionals and highly trained engineers in every field are dedicated to your investment in our equipment.

## Superior Detector Performance

For highly sensitive detection, identification and quantification of chemical, biological, explosive and radiation threats. Superior performance and high reliability comes as standard.

## Applications Support

Systems are configured to meet your needs and result from our detailed evaluation of your requirements.

## Standards & Compliance

All our systems are manufactured in ISO9001 compliant factories; so you can be assured of superior quality and performance.

## Software & Data Systems

Designed to industry standards on the Microsoft® platform, our software can be integrated with your security management software.

## Training

User Training and User-Level Maintenance is part of our standard Scope of Supply. Our goal is simple; to minimise your cost of ownership.

## Low Maintenance

All our systems are designed for extended maintenance periods and reduce the through-life-costs of your investment.

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