Critical Infrastructure Protection

● Explosives Threat Mitigation – Bruker **DE-tector™**

Innovation with Integrity

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 emplyees 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".

Explosives Threat Mitigation:
Bruker DE-tector™

The concept of access control for critical infrastructure is well understood. However, when controlled access needs to be applied to members of the public, then additional security measures are required. For example, in airports and prisons, there is a requirement to screen the public to determine whether they have been in contact with explosives (airports) or narcotics (prisons). This is readily achieved by a trace detector, because these prohibited substances contaminate personal effects, even after washing.

The Bruker DE-tector is a trace detection system that fulfils this requirement perfectly. By swabbing an individual's property with a non-scratch, disposable swab and inserting it into DE-tector, traces of these two classes of substance can be identified automatically; and within a matter of seconds.

The Bruker DE-tector employs industry-standard IMS (Ion Mobility Spectrometry) technology, but unlike most other instruments uses a safe non-radioactive source. This coupled with an extremely low consumables cost reduces your cost of ownership considerably.

DE-tector software uses a traffic light concept on its operator display. A green light indicates that no suspicious substances have been found, whereas a red light indicates that an illicit substance has been detected. Further, at the point of detection, adjacent to the red light, plain text information identifies the name of the sustance that has been detected.

Full technical details of DE-tector are shown in the DE-tector 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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