

The Power of the Lab in the Field Detect and Identify Through Barriers

Agilent Insight200M Multisensor Liquid Explosive Detection System



Insight200M Liquid Explosive Detection Solutions



Certified to ECAC performance requirements, Type A and B



Approved by DfT for <100 mL



Lowest false alarm rate <2% from operational testing



Best detection rate available



The power of a lab instrument in the field. Identifies threats.

The Agilent Insight200M is the best-performing liquid explosive detection solution, operationally proven through the over 1,000 Insight systems deployed globally.

The Insight200M is designed to screen all containers, including metals, with best-in-class detection performance and the lowest operational false alarm rate of any European Civil Aviation Conference (ECAC)-approved liquid explosive detection system (LEDs).

The contents of the container are analyzed using Spatially Offset Raman Spectroscopy (SORS), which removes the need to open the container to identify threats. If a threat is present, the Insight200M will identify and name the threat, which is important for the escalation process that can follow an alarm. It provides the operator detailed information on what the threat is, guiding the next steps in the procedure. This unique feature saves time, money, and reputation for an airport.

Key features

- Offers low resource impact with minimal training requirements
- Provides outstanding operational system reliability with mean time between failures (MTBF) > 30,000 hours and availability > 99.7%
- Highest detection rate
- Reduces operational cost due to low false alarm rates
- Increased passenger flow rate
- Requires only one manipulation
- Screens through containers and uniquely identifies the material inside
- Able to screen through Security Tamper Evident Bags (STEBs)
- Provides best combination with C3 technology

Versatility

The system is also versatile for use outside of aviation security, and has been deployed for the protection of:

- Government buildings
- Hotels
- VIP events
- Public spaces

With simple setup and low training requirements, it is perfectly designed for implementation in any environment.

Forward-thinking

Spatially Offset Raman Spectroscopy (SORS) allows the Insight200M to expand its capability through a simple software update.

The Insight can detect and identify the following (if upgraded):

- Solids and powders
- Acids
- Dangerous substances
- Flammables
- Others available

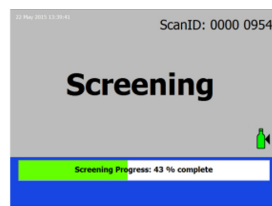
Agilent works closely with government agencies around the world to continuously monitor and update capability.

Operational sequence

Nonmetals:



1 Place container against the nose cone and close the door.



2 The Insight will screen for approximately six seconds.



3 With only one manipulation the result is displayed with an audible alarm.

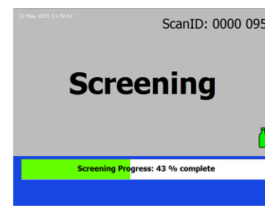
Metals:



1 Place container against the nose cone and close the door.



2 A metal is automatically detected, and further information is requested.



3 Screening is completed within approximately 4 seconds.



4 With only one manipulation the result is displayed with an audible alarm.

Network management system

Agilent provides the Overview network management server to manage, maintain, and data mine from a fleet of insights across an airport or group of airports (subject to network).

Overview provides the following key capabilities:

- Flexible installation
- Cybersecurity compliant
- Dashboard with system health and trends
- Reporting wizard
- Ability to share and print reports
- Configuration management
- Audit reports
- Training insights
- Engineering monitoring
- Maintenance warnings

Specifications for Insight200M

Dimensions	Width 562 mm
	Height 537 mm
	Depth 417 mm
Weight	25 kg
Types of Container	Glass: opaque, colored, clear frosted
	Plastic: opaque, colored, clear frosted
	Cardboard and paper
	Metal containers: Tetra Paks, foil pouches, drink cans, food tins, tubes, aerosols
Container Size	Any container that fits in the chamber (e.g. 3 L bottles)
Contents	Works with dense or viscous liquids (e.g. honey, syrup)
	Liquids, aerosols, gels, and other consumer items
	Partially filled containers and small liquid volume (about 10 mL)
Safety	Class 1 interlocked system, CE marked
Connectivity	Ethernet and USB
Power Requirements	90 - 264 VAC, 50 - 60 Hz
	< 200 W continuous
Environmental Conditions	Operating temperature range
	0 to 40 °C (-7 to 49 °C storage)
	Operating humidity range
	0 to 95% noncondensing (0 to 98% storage)

Learn more

www.agilent.com/chem/insight200m

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