

# Cobalt Insight200M by Agilent

The Bottle Screener for Liquids, Aerosols, and Gels



# The Cobalt Insight Range by Agilent – Best-in-Class Liquids Screening

- Best detection rate available – ECAC Standard 3
- Lowest operational false alarm rate – 2% or less in EU airports
- Fast scans of all containers – within 5 seconds
- Specific threat material identified and named
- Ideal as standalone system for all containers or for alarm resolution with EDS for cabin baggage (C2 or C3)
- Approved (DfT) for containers <100ml

Supplied by Agilent, the Cobalt Insight range is the best-performing liquid explosive detection solution and is operationally proven with several hundred units in use throughout the European Union, Africa, Asia, and Australasia.

The Insight200M is the latest addition to the range. Improving upon the popular Insight100 series, Insight200M screens all containers, including metals, with best-in-class detection performance and the lowest false alarm rate of any ECAC-approved scanner. The system is also smaller and lighter than its predecessor:

Insight200M fits into security checkpoint operations with the lowest resource impact and highest screening throughput of any Type B LEADS solution.

## Future proof

Spatially offset Raman spectroscopy (SORS), used in the Insight range, is ideally suited to the detection of explosives and precursors as well as a range of other potential threat materials such as flammable and toxic chemicals.

## Insight range deployment

- More than 70 European airports including 8 of the top 10 hubs
- Further deployments in Africa, Asia and Australasia
- Outstanding operational system reliability with MTBF >30,000 hours and availability >99.7%
- Low resource impact and improved passenger facilitation



Screens all container types including metals



Partially filled containers from 10 mL



STEBs



ECAC Standard 3 Type A kit available

# Lowest false alarm rates

The Insight range has proven false alarm rates (FAR) in the field as well as in laboratory tests. Operational FARs for all containers from the first phase of LAGs screening in Europe are consistently better than 2%. Bottled water alone is especially impressive with FARs of just 1 in 4,000 bottles (about 0.02%). The new Insight200M, when tested using the standard ECAC test set, has a FAR up to 10-times lower than operationally demonstrated by the most widely used products from other manufacturers.

The Insight200M screens all common containers including colored glass, plastic bottles and tubs, cardboard and paper, metal tins and cans, Tetra Paks, and aerosols and foil pouches – all in around 5 seconds.

Category of items	FAR
All nonmetallic containers	0.7%
Water only (72 commercially available varieties)	0.02%
All containers including metals (Insight200M)	<2%

## Improved Passenger Facilitation with Lowest Operating Costs of any Type B LEADS Solution

- Up to 10-times lower false alarm rate compared to non-Agilent LEADS solutions → Staff savings and passenger convenience through reduced need for searches and interviews
- Orthogonal technology complements EDS for cabin baggage → Results in low residual false alarm rates
- Rapidly and accurately screens all container types → Reduces the equipment types and the number of levels of screening needed
- Intuitive operation → Minimal training, fewer operator errors
- Extremely high reliability → Insight range consistently demonstrates >99.7% operational availability in the field

### Insight200M Screening



### Specifications

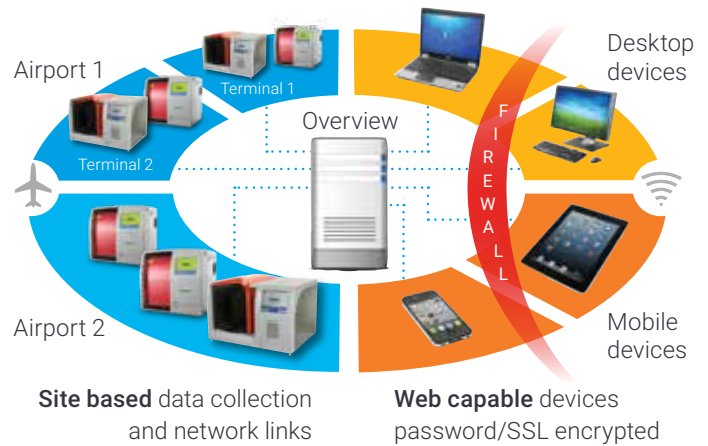
Dimensions	Width 562 mm (22.2 inches)
	Height 536 mm (21.1 inches)
	Depth 417 mm (16.4 inches)
Weight	25 kg (55.1 lb)
Types of container	Glass: opaque, colored, clear, frosted
	Plastic: opaque, colored, clear, frosted
	Cardboard and paper
Container size	Metal containers: Tetra Paks, foil pouches, drink cans, food tins, tubes, aerosols
	Any shape up to 38 cm (15 inches) high and 20 cm (8 inches) wide
	Contents from 10 mL to greater than 3 L
Contents	Liquids, aerosols, gels, and other consumer items
	Partially filled containers and small liquid volume (about 10 mL)
	Works with dense or viscous liquids, for example, honey or syrup
Safety	Class 1 laser system – interlocked
	CE marked
Power requirements	90–264 VAC, 50–60 Hz
	<200 W continuous
Connectivity	Ethernet and USB 2.0

### Multi-language User Modes



## Cobalt Overview Management Software from Agilent – compliance reporting made easy

- Configurable reporting for regulatory compliance and airport security management
- Diagnostics for continuous Insight system monitoring
- Centrally managed software upgrades and configuration setups for reduced downtime
- Compatible with SeMS software packages
- Runs on low-cost server hardware or on existing airport infrastructure
- Compatible with third-party checkpoint management systems



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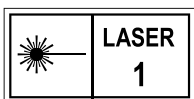
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