cobalt

Insight from Light

INSIGHT100   INSIGHT100ᴹ

The Bottle Screener Range
for Liquids, Aerosols and Gels

Ready!

Place container and close door to start ....
Advanced   Shutdown

INSIGHT 100

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NOW
Approved
ECAC
Type B & A
Standard 3

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INSIGHT100

The Insight100 Scanner Range for Liquids Screening

BEST detection rate available - ECAC Standard 3

LOWEST operational false alarm rate – below 1% in EU airports

FASTEST standard 3 scan time 5 seconds or less

SPECIFIC for threats - threat material identified and named

The Insight100 range is the best-performing Liquid Explosive Detection System solution and is operationally proven with several hundred units already in use throughout the EU and Australia. The Insight100 range now includes a new variant, the Insight100^M, which enables screening of metallic containers using an additional sensor. With best-in-class detection performance and the lowest false alarm rate of any ECAC-approved scanner, the Insight100 range fits into security checkpoint operations with the lowest resource impact and highest screening throughput of any Type B LEDS system.

Operational False Alarm Rates of the Insight100 recorded over several months at numerous EU airports have been confirmed at below 1% in Type B stand-alone mode.

Future Proof

The Insight100 range is capable of screening flammable materials and can be updated to add detection of new threat materials as regulators require.

INSIGHT100 EU DEPLOYMENT

- **>65** European airports
- 8 of Europe's top 10 largest airports
- Outstanding operational system reliability

Partially filled containers from 10ml

ECAC Standard 3 Type A kit available

STEBs

Versatile container types and sizes

Lowest False Alarm Rates Available

The Insight100 has proven low false alarm rates (FAR) in the field as well as in laboratory tests. Operational FARs for non-metallic items from the first phase of LAGs screening in Europe are consistently better than 1%. Bottled water alone is especially impressive with FARs of just 1 in 4,000 bottles (≈0.02%). The new Insight100ᴹ, when tested using the standard ECAC test set, has a FAR 5-10x lower than operationally demonstrated by the most widely used competitive products.

System	Category of items	FAR
Insight100 range	All non metallic containers	<1%
Insight100 range	Water only (72 commercially available varieties)	≈0.02%
Insight100ᴹ	All containers including metals	≈2.5%

INSIGHT100ᴹ

Metals Container Screening for the Insight100 Range

Metal Cans

Tetra Pack cartons

Aerosols

Pouches

Metals Capability

The Insight100ᴹ brings screening of metal containers to the Insight100 range. Metals are identified by the Insight100 but resolving metal alarms would require a secondary process. The Insight100ᴹ enables all containers to be screened in under 5 seconds, now including metal containers.

Upgrade Path for Existing Insight100 Units

The Insight100ᴹ is available for new orders fully configured. An upgrade is also available to convert existing Insight100 scanners into Insight100ᴹ versions. The upgrade can be completed in the field in a few hours.

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Overview

Server System

for Centralised Insight100 Management

OVERVIEW MANAGEMENT SOFTWARE

Compliance Reporting Made Simple

- Configurable reporting for regulatory compliance and airport security management
- Diagnostics for continuous Insight100 monitoring
- Centrally managed software upgrades and configuration set-ups for reduced downtime
- Compatible with SeMS software packages
- Runs on low-cost server hardware or on existing airport infrastructure

Contact Cobalt for more details

Airport 1 — Terminal 1 — Terminal 2 — Airport 2 — Site-based data collection and network links — OVERVIEW — FIREWALL — Desktop devices — Mobile devices — Web-capable devices password/SSL encrypted

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INSIGHT100   INSIGHT100ᴹ

Bottle Screening for Liquids, Aerosols and Gels

Dimensions: 824mm wide / 561mm high / 611mm deep

Types of container
- Glass: opaque, coloured, clear, frosted
- Plastic: opaque, coloured, clear, frosted
- Cardboard / Paper
- Metal containers: tetrapak, can, tin, tube, aerosol (Insight100ᴹ only)

Container size
- Any shape up to 33cm (13") high
- Containers from 10ml to >3 litres

Contents
- Liquids, aerosols, gels and other consumer items
- Partially-filled containers and small liquid volume (<10ml)
- Works with dense or viscous liquids, e.g., honey or syrup

Safety
- Class 1 laser system – interlocked
- CE marked

Power requirements
- 90-264VAC 50-60Hz
- <200W continuous

Connectivity
- Ethernet and USB 2.0

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CE
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