

IONSCAN 600™

→ Portable, Powerful Trace Detection
for Explosives and Narcotics



The Global Standard in Trace Detection

The IONSCAN™ 600 is one of the most widely deployed and trusted trace detection systems worldwide, delivering reliable identification of explosives and narcotics across evolving security environments.

Whether deployed at checkpoints, borders or high-security facilities, it supports fast, accurate screening when confidence matters most.

Key Benefits

- Lightweight and portable
- High sensitivity trace detection
- Non radioactive IMS source
- Intuitive touchscreen interface
- Rapid analysis and clear results
- Low cost of ownership

Applications

- Security checkpoints
- Airports and air cargo facilities
- Border crossings and customs operations
- Prisons and correctional facilities
- Government and critical infrastructure sites
- Military bases and deployed operations

Globally Certified, Operationally Proven Trace Detection

The IONSCAN™ 600 combines advanced IMS technology with non-radioactive operation and intuitive software to deliver dependable performance in demanding security environments. Approved by major international regulators and deployed worldwide, it supports compliant, reliable screening across aviation, borders, correctional facilities and defence operations.



Operational Efficiency in Practice

Cost-effective, hygienic single-use swabs support reliable trace collection through manual or wand sampling. High sample storage capacity and flexible connectivity enable structured data management and audit-ready record keeping.

Designed for real-world screening demands, the IONSCAN™ 600 helps maintain throughput without adding complexity. From sample collection to result display and data storage, workflows are streamlined to support consistent, confident decision-making in high-pressure environments.

Proven Global Deployment

With over **50 years of trace detection experience** and **more than 10,000 systems deployed** worldwide, Smiths Detection supports aviation, ports and borders, urban security and defence customers with world-class service and support.

Evolving Detection for Emerging Threats

Threat landscapes are not static. New synthetic opioids, modified narcotics and evolving explosive compounds demand detection systems that can adapt in step with intelligence.

The IONSCAN™ 600 supports the integration of newly characterised substances into its detection library, enabling capability to evolve without hardware replacement. This ensures continued operational relevance, protects investment and supports confident screening in dynamic security environments.



Reliable

Consistent analytical performance supported by automatic calibration and stable IMS technology.



Adaptable

Detection libraries evolve to reflect newly characterised substances and emerging threats.



Proven

Over 10,000 systems deployed worldwide across aviation, borders, correctional facilities and defence.

GET IN TOUCH

→ If you would like to know more about this technology and how we help make the world a safer place, visit: www.smithsdetection.com