

IONSCAN™ 600

EXPLOSIVES AND NARCOTICS TRACE DETECTOR



Feature Highlights

- Detects explosives and narcotics
- Small, lightweight and portable
- Fully operational on hot swappable batteries
- Easy-to-use interface requires minimum training
- Low cost of ownership including consumables

Regulatory Approvals

- Qualified++ product on TSA's Air Cargo Screening Technology List (ACSTL)
- ECAC/EU explosives detection standard for passenger and cargo screening
- CAAC aviation screening standard with explosives and narcotics detection
- IPMO aviation screening approved
- Qualified product on Transport Canada Air Cargo Security (ACS) program

The IONSCAN 600 is a highly sensitive and intuitive trace detector, in a lightweight portable desktop configuration. Building on the highly successful IONSCAN family reputation, this latest-generation unit allows users to accurately detect and identify a wide range of military, commercial and homemade explosives threats and common illegal and controlled narcotics, including highly potent fentanyls, opioids, and synthetic cannabinoids (spice) that are rapidly spreading across the world.

The compact, lightweight IONSCAN 600 is easily portable; it includes hot-swappable batteries for full operation even when mains power is not available. The unit can be relocated whilst fully operational (without any downtime) enabling it to be used in a much broader range of screening environments.

It features a proprietary non-radioactive ion mobility spectrometry (IMS) source, which means licensing from national nuclear regulatory agencies is not required. This allows the detector to be used without time-consuming radiation testing and administration, and enables easy license-free transport from location to location.

The IONSCAN 600 is unique in working with cost-effective, single-use swabs suitable for both manual and wand sampling. These proprietary swabs are designed for efficient trace particle pick-up, reduce contamination risk and offer the most hygienic method for sampling a person's hands.

The IONSCAN 600 improves screening capabilities by delivering ease-of-use, flexibility and cost advantages for trace detection applications. The IONSCAN 600 ensure optimum product performance, and delivers reliable, trustworthy performance consistent with high quality Smiths Detection solutions.

General Specifications

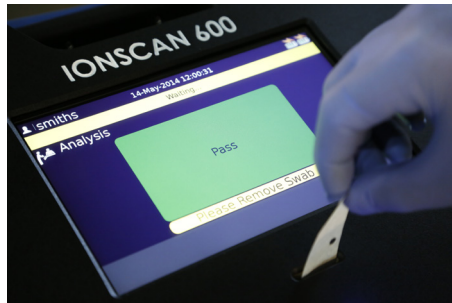
Detector type	Non-radioactive IMS source
Sampling	Trace particle sampling using cost-effective hygienic single-use swabs with either manual or wand collection
Calibration	Automatic internal self-calibration
Alarm method	Substance visual identification with configurable audio alarm
Consumables	Cost effective single-use swabs, verification pen
Connectivity	Ethernet, 4 USB 2.0 (standard, 2 front/2 back)
Weight	Non-printer version: 23.8lbs (10.8kg); Integrated printer version: 25.3lbs (11.5kg)
Battery	1 hour full operation, hot swappable for extended operating time
Analysis time	From 6.5 seconds up to max 10 seconds
Warm-up time	Less than 10 minutes
Data display	9" or 10" (depends on variant) high-resolution, anti-reflective, colour touch screen
Dimensions (W x D x H)	Non-printer version: 14.6 x 11.8 x 12.9in (372 x 300 x 327mm) Integrated printer version: 14.6 x 15.4 x 14.8in (372 x 393 x 375mm)
Operating temperature	14 to 122°F (-10 to +50°C)
Operating altitude	Explosives: Up to 10,000ft (3048m); Narcotics Up to 8000ft (2438m)
Operating humidity	0 to 95% non-condensing
Explosives detection	Military, commercial and HMEs including RDX, TNT, PETN, NG, AN, UN, HMTD, TATP, EGDN, Tetryl, HMX, and others*
Narcotics detection	Common illegal and controlled narcotics, including fentanyl, opioids, spice, heroin, cocaine, ketamine, MDMA, LSD, GHB, THC and others*
Storage capacity	250,000 samples
Printer	Integrated printer (option at time of order only) or external USB printer
Power	100-240V AC, 50-60Hz
Safety	No hazardous parts and tamper-proof casing

* Programmed threat substances depend on detector version and regulatory authority

** The Qualified Technology section specifies devices that have undergone a formal TSA-sponsored test process and are deemed qualified for screening operations. When procuring a device from the ACSTL, regulated parties are encouraged to select a device from the qualified technology section..



Optional integrated printer version.



Detection and identification results from 6.5 seconds.



Lightweight and easily portable for dynamic security screening environments.
Carry handle available only on non-printer unit.



For product information, sales or service, please go to www.smithsdetection.com/locations

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