

# 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

**Meets ECAC/EU standard for cargo and passenger screening\***

\* Explosives only

The IONSCAN 600 is a highly sensitive 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.

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. It is augmented by ReachBack, first rate 24/7/365 service and support to ensure optimum product performance, and delivers reliable, trustworthy performance consistent with high quality Smiths Detection solutions.

# Technical Data IONSCAN 600

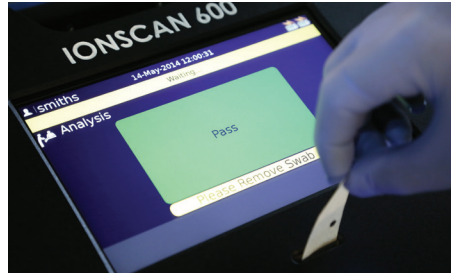
## General Specifications

Detector type	Non-radioactive IMS source
Sampling	Trace particle sampling using cost-effective single-use swabs with either manual or wand collection
Calibration	Automatic internal self-calibration
Alarm method	Substance identification with configurable audio alarm
Consumables	Cost-effective single-use swabs and 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	8 seconds or less
Warm-up time	Less than 10 minutes
Data display	9" high resolution, anti-reflective, color touch screen
Dimensions (W x D x H)	Non-printer version: 14.8 x 12.0 x 12.9in (37.7 x 30.4 x 32.7cm) Integrated printer version: 15.1 x 15.6 x 14.8in (38.3 x 39.5 x 37.7cm)
Operating temperature	14 to 122°F (-10 to +50°C)
Operating altitude	Up to 13,780ft (4,200m)
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	Amphetamine, Cocaine, Heroin, Ketamine, MDA, MDMA, Methamphetamine, Buprenorphine, THC and others**
Storage capacity	50,000 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



Optional wand for sampling.



Detection and identification results in 8 seconds or less.



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](http://www.smithsdetection.com/locations)

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