

# IONSCAN™ 600

## EXPLOSIVES TRACE DETECTOR



### Feature Highlights

- **Non-radioactive IMS source**
- **Easy to use interface requires minimal training**
- **Small, lightweight and portable**
- **Fully operational, hot-swappable battery**
- **Single-use manual swabs**

The IONSCAN 600 is a next-generation, portable desktop system used to detect and identify trace amounts of explosives. It features a proprietary non-radioactive ion mobility spectrometry (IMS) source, which means no licensing or specialized handling is required for use.

Universal software icon commands make training and operation of the IONSCAN 600 fast and easy. Onboard diagnostics also assist operators with maintenance and offer troubleshooting for error resolution.

Sampling is vastly improved and done manually with cost-effective, single-use swabs, or with an optional low-cost, redesigned wand.

The IONSCAN 600 is optimized for minimal maintenance and features a robust design to help enhance productivity.

Weighing just 23 pounds, the IONSCAN 600 features a built-in handle that provides easy portability. A hot-swappable battery provides sampling and analysis capability while still in use. The system also offers unmatched performance throughout extreme temperature ranges.

IONSCAN 600 uses Smiths Detection's IMS technology, proven and trusted for the sensitivity needed in the detection and identification of a wide range of military, commercial and homemade explosives threats.

IONSCAN 600 is backed 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.

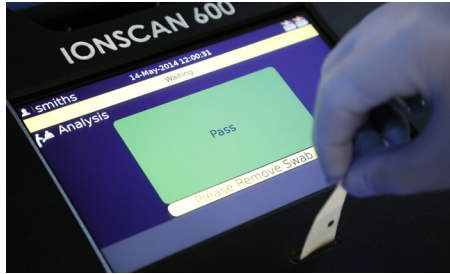
# Technical Data IONSCAN 600

## General Specifications

Detector type	Non-radioactive IMS source
Sample collection	Trace particle
Calibration	Automatic internal self-calibration
Alarm method	Substance identification with configurable audio alarm
Consumables	Low cost single-use swab, verification pen
Expandability	4 USB 2.0 (2 front/2 back), 1 USB 3.0 (back)
Connectivity	Ethernet, HDMI, Wi-Fi option, 4 USB 2.0 (standard, 2 front/2 back), 1 client USB 3.0 (micro, back)
Weight	23lbs (10.43kg)
Battery	1 hour back-up mode, 20 minutes full operation, hot swappable
Analysis time	8 seconds or less
Warm-up time	Less than 10 minutes
Data display	9" high resolution, anti-reflective, color touch screen
Dimensions	14.6 x 11.4 x 12.8in (37.1 x 29.0 x 32.5cm)
Operating temperature	14 to 122°F (-10 to +50°C)
Operating altitude	13,780ft (4,200m)
Operating humidity	0 to 95% non-condensing
Explosives detection	Military, commercial and HMEs (RDX, TNT, PETN, NG, AN, UN, HMTD, TATP, EGDN, Tetryl, HMX, Sulfur, TNB, DNT and others)
Narcotics detection	Available early 2015
Printer	External
Power	90-264 VAC, 47-63 Hz
Other	Optional sampling wand, no hazardous parts, tamper proof



Optional wand for sampling.



Detection and identification results in 8 seconds or less.



Lightweight and easily portable for dynamic security screening environments.

For product information, sales or service, please go to [www.smithsdetection.com/locations](http://www.smithsdetection.com/locations)

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