

ITEMISER® DX

EXPLOSIVES AND NARCOTICS DETECTION IN A DESKTOP SYSTEM



Simultaneous detection enables the Itemiser® DX desktop to detect a broad range of explosives and narcotics that meet current market threats. It delivers fast, simultaneous explosives and narcotics detection in a package that is ergonomic and portable.

Benefits

- Patented regenerative dryer eliminates the need for monthly dryer material replacements, and reduces maintenance downtime and consumables costs
- Automated calibration with optional verification helps assure operational accuracy
- Touch screen menus on a graphical user interface can be easy to learn and operate
- Onboard computer automatically handles all data logging, including time, date, sample analysis, and system status
- Lightweight (26.5 lb/12 kg) with built-in handle for easy transport
- Certified by the U.S. Transportation Security Administration (TSA), the Israeli Prime Minister's Office, the Italian Department of Transport, the U.K. Department for Transport (DfT) and the Service Technique de l'Aviation Civile (STAC) in France

Cost Effective

- Folding monitor screen automatically shuts off backlight to extend life of display
- New long life positive ion dopant detects peroxide explosives
- Ability to create custom substance libraries

Reliable

- Simultaneous dual mode detection eliminates the need for two detectors, which significantly decreases the possibility of mechanical failure associated with two detector systems
- Maintains a low, stable humidity level in the detector, allowing for consistent and reliable detection results
- Automatically saves test results, preventing deletions
- Robust internal solid-state hard drive for reliable data storage
- Optional maintenance reminders for all preventive requirements
- Advanced diagnostics to ensure maximum availability and performance

Ease of Use

- Built in printer for fast hard copy results or printing later
- Quick analysis and results in approximately 8 seconds
- Software upgrades can be easy to install
- On-board software keypad
- On-board advance video help files

Easy-to-Use Operator Interface

- Results require minimal interpretation, allowing operators to concentrate on sample acquisition
- A comprehensive history of saved data and alarm files can be recalled and printed

Portability

- Internal, one-hour battery allows instrument relocation without having to shut it off, eliminating warmup time

TECHNICAL SPECIFICATIONS

Dimension (display opened)	Height: 14.9 in (38 cm) Display Clearance: 16.3 in (41 cm) Width: 18.9 in (48 cm) Depth: 19.8 in (50 cm)
Dimension (display closed)	Height: 7.1 in (18 cm) Width: 18.9 in (48 cm) Depth: 18.0 in (46 cm)
Weight	26.5 lb (12.02 kg)
Detector Type	Ion Trap Mobility Spectrometer (ITMSTM)
Analysis Time	Default 8 seconds
Sample Acquisition	Surface wipe
Warmup Time (Cold Start)	Allow approximately 30 minutes for system to stabilize
Operating Temperature:	0 to 40°C (32 to 104°F) IP20 protection rating
Storage Temperature	0 to 50°C (32 to 122°F)
Power	AC Input: 100-120 VAC, 200-240 VAC, 47-63 Hz, 150W DC Input: 11-18 VDC input, 10A (150W) max
Battery Backup:	Up to 60 minutes of standby time daily for transport
Computer	AMD Geode® LX800 Processor, 500MHz, fanless, 3.5 in. (8.89) SB Typical Power Consumption: +5VDC @ 1.29 Amps
Display	10.4 in (26.4 cm), 640 x 480 pixel, 300 nits brightness, TFT-LCD monitor with resistive touch screen
Signal Processing	Recognition on multiple peaks and explosives; output to 4 different display types, including bar graph display or time-of-flight plasmagram display
Detection Modes	Explosives and Narcotics Detection or Dual Mode Detection
Data Transfer Capability	Two USB 2.0 ports; Ethernet port