

The first trace detectors in the world to simultaneously detect positive and negative ions using a single detector, GE Security's innovative Itemiser series now includes the

Itemiser DX, the first simultaneous dual detector to meet the current TSA certification standard. It delivers fast explosives detection in a package that is ergonomic and portable.

Itemiser® DX

Explosives Detection in a Desktop System

GE Security's TSA-certified desktop detector is flexible, lightweight and on the TSA Qualified Product List

TSA Qualified Product List

- Meets rigorous TSA detection specifications
- Included on TSA's Qualified Product List

Cost Effective

- Patented regenerative dryer eliminates the need for monthly dryer material replacements, and reduces maintenance downtime and consumables costs
- Folding monitor screen automatically shuts off backlight to extend life of display
- New long life positive ion dopant detects peroxide explosives

Reliable

- Automated calibration helps assure operational accuracy
- 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

Ease of Use

- Touch screen menus on a graphical user interface can be easy to learn and operate
- Built in printer for fast hard copy results or printing later
- Quick analysis and results in approximately 7 seconds
- Software upgrades can be easy to install



Easy-to-Use Operator Interface

- Onboard computer automatically handles all data logging, including time, date, sample analysis, and system status
- Results require minimal interpretation, allowing operators to concentrate on sample acquisition
- Complete history of saved data and alarm files can be recalled and printed at any time

Portability

- Lightweight (26.5 lbs/12 kg) with built-in handle for easy transport
- Internal, one-hour battery allows instrument relocation without having to shut it off, eliminating warm up time



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Specifications

Detector Type:

Ion Trap Mobility Spectrometer (ITMS™)

Analysis Time:

Default 7 seconds

Sample Acquisition:

Surface wipe

Warm Up Time:

Allow 30 minutes minimum 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:

Pentium-based, industrial-grade, single-board computer, solid-state hard disk

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 (optimized negative/positive ion mode)

Data Transfer Capability:

Two USB 2.0 ports

Ethernet port

Dimensions

Itemiser (with 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)
Weight	26.5 lbs (12.02 kg)

Itemiser (with display closed)

Height	7.1 in (18 cm)
Width	18.9 in (48 cm)
Depth	18.0 in (46 cm)

