ITEMISER® DX

Rapiscan® *systems*
An OSI Systems Company

EXPLOSIVES DETECTION IN A DESKTOP SYSTEM

Meets rigorous U.S. TSA detection specifications

Patented regenerative dryer

Automated calibration with optional verification

Onboard computer automatically handles all data logging

Intuitive touch screen menus on a graphical user interface

Lightweight (26.5 lb/12 kg) with built-in handle for easy transport

SIMULTANEOUSLY DETECTS POSITIVE AND NEGATIVE IONS USING A SINGLE DETECTOR.

Itemiser® DX simultaneously detects positive and negative ions using a single detector and leveraging Rapiscan® Systems patented ITMS™ technology.

Itemiser® DX delivers fast explosives and narcotics detection in a package that is ergonomic and portable.

COST EFFECTIVE

Folding monitor screen automatically shuts off backlight to extend life of display.

New long life positive ion dopant reduces cost of operation and maintenance.

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.

ADVANCED DATA FEATURES

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 at any time.

EASE OF USE PROVIDING HIGHEST THROUGHPUT

Built-in thermal printer for fast hard copy results or printing later.
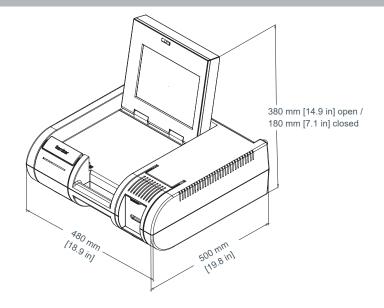
Quick analysis and results in approximately 8 seconds.

Easily achievable software upgrades via on-board USB ports.

PORTABILITY

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

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380 mm [14.9 in] open /
180 mm [7.1 in] closed

480 mm
[18.9 in]

500 mm
[19.8 in]

PHYSICAL SPECIFICATIONS

Dimensions:	Length: 500 mm (19.8 in.) open/ 460 mm (18 in.) closed
	Width: 480 mm (18.9 in.)
	Height: 380 mm (14.9 in.) open/ 180 mm (7.1 in.) closed
Weight (Approx.):	Net: 12.02 Kg (26.5 lbs)

TECHNICHAL SPECIFICATIONS

Detector Type:	Ion Trap Mobility Spectrometer (ITMS™)
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
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
Computer:	80 GB Hard Drive
Display:	10.4 in (26.4 cm) 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 Capability:	Explosives and Narcotics Detection
Data Transfer Capability:	Two USB 2.0 ports; Ethernet port

With continual development of our products Rapiscan® Systems reserves the right to amend specifications without notice. Product pictures are for general reference. Please note that due to US laws and regulations, not all Rapiscan® products are available for sale in all countries without restriction. Please contact your Rapiscan® Systems sales representative for more information.

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Rapiscan® Systems is ISO 9001:2008 Certified

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