ITEMISER® 4 DX

Rapiscan® systems
An OSI Systems Company

DATASHEET

Using a non-radioactive ionization source and simultaneous, dual-mode detection, Itemiser® 4DX can detect a broad range of current market threat explosives and narcotics without the use of a radioactive source, thereby eliminating the need for annual wipe tests and licensing while reducing shipping challenges.

The portable, ergonomic desktop unit features automated internal calibration to help decrease consumables cost, optimize ongoing equipment operation and increase detection accuracy.

EXPLOSIVE & NARCOTICS DETECTION IN EIGHT SECONDS

REMOTE MONITORING CAPABILITY VIA REMOTE CONNECT™

IMPROVED OPERATIONAL & DETECTION ACCURACY

NON-RADIOACTIVE ION SOURCE

COST EFFECTIVE

- Automated internal calibration eliminates cost of purchasing and managing calibration traps.
- Folding monitor screen automatically shuts off backlight to extend life of display.
- Regenerative dryer increases uptime and eliminates cost of monthly dryer material replacements.
- Decreases labor required to initiate and manage maintenance.

EASY-TO-USE OPERATOR INTERFACE

- Results require minimal interpretation, allowing operators to concentrate on sample acquisition.
- Onboard computer automatically logs all data, including time, date, sample analysis and system status.
- A comprehensive history of saved data and alarm files can be recalled and printed.

EASE OF USE

- Non-radioactive ionization source removes shipping restrictions and licensing requirements.
- Built in printer for fast hard copy results or printing later.
- Quick analysis and results in approximately 8 seconds.
- On-board software keypad and help files.
- Automated, push-button maintenance can be scheduled.
- Easily accessible maintenance items.
- Ability to create custom substance libraries.

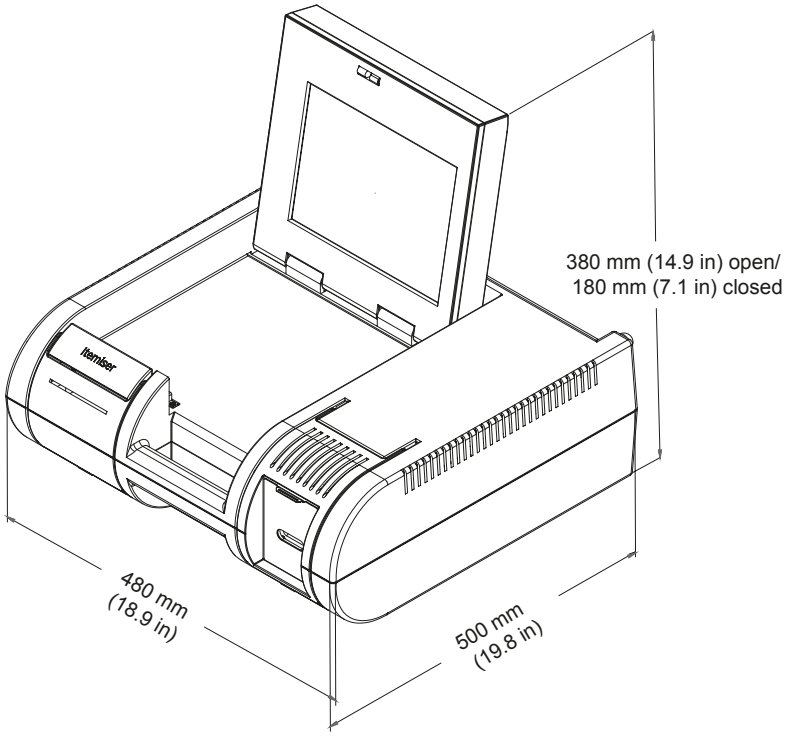
PORTABILITY

- Lightweight (28.65 lb/12.99 kg) with built-in handle for easy transport.
- Internal, one-hour battery allows instrument relocation without shut off, eliminating warmup time.

RELIABLE

- Simultaneous dual mode detection by using one detector 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.

Dimensions are in mm[in]



ENVIRONMENT & POWER

DETECTOR TYPE	Ion Trap Mobility Spectrometer (ITMS™)
ANALYSIS TIME	Default 8 seconds
SAMPLE ACQUISITION	Surface wipe
WARMUP (Cold Start)	Approximately 30 minutes
OPERATING TEMP	0 to 40°C (32 to 104°F)
PROTECTION RATING	IP20
POWER	External AC to DC Power Supply Input 100-240 VAC, ~1.8 A, 47-63 Hz Output 15 VDC, 10 A, 150W
BATTERY BACKUP	Up to 60 minutes
HARD DRIVE	120 gigabytes
OPERATING SYSTEM	Linux
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 or time-of-flight plasmagram
DETECTION MODES	Explosives and Narcotics Detection or Dual Mode Detection
DATA TRANSFER	Two USB 2.0 ports; Ethernet port

PHYSICAL SPECIFICATIONS

DIMENSIONS	L	500 mm (19.8 in) open
		460 mm (18 in) closed
	W	480 mm (18.9 in)
	H	380 mm (14.9 in) open
		180 mm (7.1 in) closed
NET WEIGHT (Approx)		12.99 Kg (28.65 lbs)

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Rapiscan® Systems is ISO 9001:2015 Certified