ADVANCED TECHNOLOGY FOR A SAFER WORLD

ITEMISER® 4DN

Non-Radioactive Ionization Source Optimized for Narcotics Detection

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

Highly selective and sensitive detection of familiar narcotic threats as well as synthetic cannibinoids and opioids. User expandable library enabling in the field system optimization.

FEATURES

- Non-radioactive ionization source.
- Built in printer for fast hard copy results.
- 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.

EASY TO USE OPERATOR INTERFACE

Results require minimal interpretation, allowing operators to concentrate on sample acquisition.

Automatically logs all data, including time, date, sample analysis and system status.

Comprehensive history of saved data and alarm files

COST EFFECTIVE

Regenerative dryer increases uptime and eliminates cost of monthly dryer material replacements.

Decreases labor required to initiate and manage maintenance.

RELIABLE

Simultaneous dual mode detection by using one detector decreasing 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.

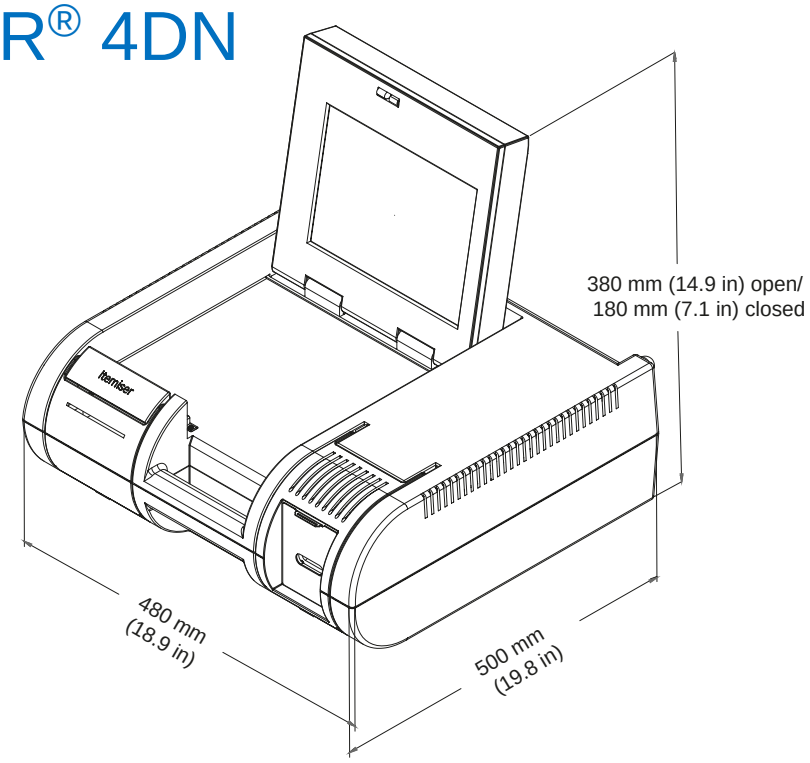
Robust internal solid-state hard drive for reliable data
storage.\

Optional maintenance reminders for all preventive requirements.

Advanced diagnostics to ensure maximum availability and performance.

LAURUS Systems, Inc. - Ph: 410-465-5558 - Fax: 410-465-5257 - www.LaurusSystems.com

ITEMISER® 4DN



PHYSICAL SPECIFICATIONS

Dimension	L	19.8 in (500 mm) open 18 in (460 mm) closed
	W	18.9 in (480 mm)
	H	14.9 in (380 mm) open 7.1 in (180 mm) closed
Weight		26.65 lb (12.99 kg)

ENVIRONMENT & POWER

Detector Type	Ion Trap Mobility Spectrometer (ITMS)"
Analysis Time	Default 8 seconds
Sample Acquisition	Surface wipe
Warmup Time (Cold Start)	Approximately 30 minutes
Operating Temperature:	14 to 131°F (-10 to 55C)
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
Hard Drive	120 gigabytes
Display	10.4 in (26.4 cm), TFT-LCD monitor with resistive touch screen
Computer	80 GB Hard Drive
Signal Processing	Recognition on multiple peaks and explosives; output to 4 different display types, including bar graph display or time-of-flight plasmagram display
Data Transfer Capability	Two USB 2.0 ports; Ethernet port

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