

## CARRY MORE DETECTION POWER

Simultaneous, dual-mode system for a broad range of explosives detection

Detects explosives and narcotics simultaneously in seconds

Flexible user interface with a wide range of operating levels

State-of-the-art battery for long life, hot swappable for continued operation

Ergonomic design for grab-and-go portability

Easy-to-access components for quick maintenance

Network ready/USB compliant

# MOBILETRACE<sup>®</sup>



TO HELP KEEP AHEAD OF THE GROWING CHALLENGES OF EXPLOSIVES AND NARCOTICS DETECTION, THE MOBILETRACE<sup>®</sup> HANDHELD PACKS THE ADVANCED CAPABILITIES OF SIMULTANEOUS DUAL-MODE DETECTION INTO A POWERFUL, USER-FRIENDLY HANDHELD.

MobileTrace<sup>®</sup>, the first simultaneous dual-mode handheld detector, expands the range of target explosives you can identify in a single sample for faster, more comprehensive security screening. Rapiscan<sup>®</sup> Systems patented ITMS<sup>™</sup> (Ion Trap Mobility Spectrometry) technology offers you the explosives and narcotics detection, sensitivity and reliability proven at military bases, border crossings, airports, and other critical security checkpoints around the world.

### EASY OPERATION, RICH DISPLAYS

MobileTrace<sup>®</sup> graphical interface is intuitive and easy to learn for new operators. Itemiser<sup>®</sup> and EntryScan<sup>®</sup> users will find the operating system very familiar.

Data is evaluated on a 800 NIT 3.5 in. (8.9 cm) color screen using five display options:

- SelectScan for a simple list of alarm/no alarm status of substances in the library.
- Peaks view for a tabular form of time-of-flight and height of peaks detected.
- Plasmagram for a graphical representation of peaks detected.
- 3-D view and Intensity Map for analytical interpretation (not shown).

To accommodate a range of lighting situations, MobileTrace<sup>®</sup> is designed with adjustable display brightness.

### VERSATILE

Three default user levels (operator, maintenance and administrator) for access control.

State-of-the-art networking capability and USB connectivity.

ITMS<sup>™</sup> desktop software enables file management, analysis and printing.

Option to use substance codes instead of substance names for privacy and security.

Expandable libraries accommodate unique user requirements.

### PARTICLE AND VAPOR SAMPLING

MobileTrace<sup>®</sup> gives you the flexibility to swipe surfaces for trace particles or to analyze vapors.

**Particle swipe:** MobileTrace<sup>®</sup> conveniently uses standard Rapiscan<sup>®</sup> Systems sample traps. The Teflon<sup>®</sup>-coated traps are swiped across a surface and inserted into the system for analysis. Typical sampling objects include clothing, skin, baggage, cargo, vehicles, containers, tickets and ID cards.

**Vapor sampling:** Vapors are drawn through a nozzle directly into the system for analysis. Typical sampling objects.

### EASY TO USE

Touch screen with text or icon menus, 800 NIT 3.5 in. (8.9 cm) color, glare resistant display.

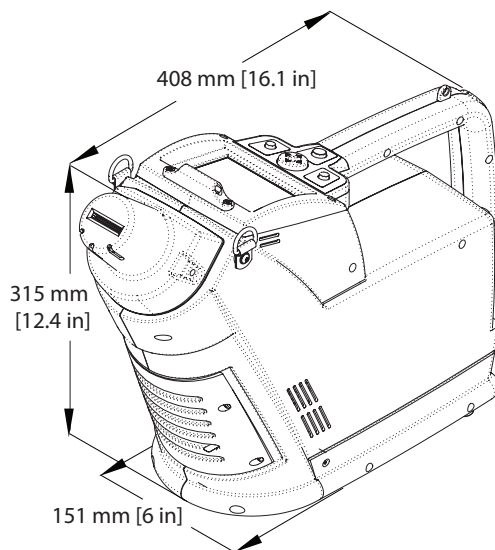
Navigation pad, touch screen keypad and optional keyboard.

Easy-to-learn graphical interface.

Semi-automated or manual calibration.

Easy access to components for efficient maintenance.

Many local language options available.



## PHYSICAL SPECIFICATIONS

Dimensions:	Length: 409 mm (16.1 in.) Width: 152 mm (6 in.) Height: 315 mm (12.4 in.)
Handwand Dimensions:	Length: 279 mm (11 in.) Diameter: 28 mm (1.1 in.)
Weight (Approx.):	Net: 4.3 Kg (9.4 lbs) with battery/ .065 Kg (.875 lbs) handwand

## TECHNICAL SPECIFICATIONS

Detector Type:	Ion Trap Mobility Spectrometer (ITMS™)
Analysis Time:	Default 10/11 seconds for particle mode explosives/narcotics; Default 10 seconds for vapor mode
Sample Acquisition:	Particle swipe or vapor sampling
Warmup Time (Cold Start):	Allow approximately 30 minutes for system to stabilize
Operating Temperature:	-10 to 55°C (14 to 131°F), up to 95% RH (non-condensing)
Power:	115/230 VAC, 50/60 Hz 12 VDC, vehicle adaptor (cable included) Two rechargeable Li-Ion batteries, up to four hours each, charger included Internal back-up batteries to maintain power while swapping batteries 1 GB or greater file storage capacity
Computer:	
Display:	800 NIT 3.5 in. (8.9 cm), transreflective QVGA color LCD Touch screen
Signal Processing:	Output to five different display types including substance listing, time-of-flight plasmagram and tabular displays, 3-D and Intensity Map
Detection Modes:	Explosives (optimized negative ion mode); Narcotics (optimized positive ion mode); Vapor mode
Data Transfer Capability:	Ethernet and USB connectivity

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.



Rapiscan® Systems is ISO 9001:2008 Certified

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