

# HARDENED

# MOBILETRACE<sup>®</sup>

THREAT DETECTOR FOR CHALLENGING ENVIRONMENTS



*Hardened MobileTrace* is built around a core of field-proven explosives and narcotics detection technologies, and designed for the challenging environments in which you work. It has been tested to military and government standards and has expanded capabilities for detecting chemical warfare agents (CWAs) and toxic industrial chemicals (TICs).

We know your missions are different every time and the environments you encounter are tough and unpredictable. *Hardened MobileTrace* can help you enhance the safety and success of your mission by screening for explosives, narcotics and other threats, that might otherwise go undetected.

*Hardened MobileTrace* was designed to make advanced detection technology easy to use in the field. It is a highly portable and lightweight unit equipped with a daylight-readable touch screen for clear and immediate viewing in all lighting conditions. Users who are familiar with other Morpho Detection, Inc. (MDI) products will recognize the straight-forward software and instructions found common in the user interface across many of MDI's trace detectors.

### Benefits

- Detects CWAs, TICs, explosives, precursors, narcotics and taggants
- Designed for challenging environments: extreme temperature, dust, moisture, salt fog, and rain
- Physical shock- and vibration-resistant
- Tested to MIL-STD-810-G and IP54 rated
- 100% Buy American Act compliant



## DESIGNED FOR CHALLENGING ENVIRONMENTS

### Ports and Border

- Maritime inspections and interdictions
- Dual simultaneous narcotics and explosives detection
- Break bulk inspections
- Tested for salt fog and rain
- Results in seconds

### Military

- Designed for rigors of military use
- Detects most common and emerging explosive threats including peroxides, CWAs and TICs
- Portable checkpoint screening
- Temperature range -20°C to 55°C (-4°F to 131°F)
- Dust resistant
- Accurate, specific, reliable

### Law Enforcement

- Portable unit goes where clandestine labs are found
- Detects major narcotics classes
- Comprehensive and expandable library
- Onboard memory autosaves to preserve evidence
- Technology tested in U.S. courts

## HOLDING OURSELVES TO YOUR HIGHEST STANDARDS

### Ruggedized

- Tested to MIL-STD-810-G
- IP54 Rated
- Temperatures range: -20°C to 55°C (-4°F to 131°F)
- Humidity range: 0-95% RH non-condensing
- Salt fog resistant
- Drop- and vibration-tested

### Portable

- Lightweight
- Two batteries for up to six hours of operation
- Internal back up batteries for "hot swap" ability

### Expanded Substance Detection

- Tested and verified at government and third-party labs
- CWAs library: blood, blister, nerve
- TICs library: chlorides, cyanides, acids and ammonias

### Ease of Use

- Daylight readable touch screen (800 NIT)
- Simple user interface and intuitive menus
- E-mail, and field service engineer technical support and troubleshooting 24/7
- Ergonomically designed for PPE operation

### Accurate

- False alarm rates <2%
- Results verified at third-party laboratories

## TECHNICAL SPECIFICATIONS

System Dimension (l x w x h)	Length: 17.25 in. (438 mm); Width: 6.25 in (159 mm); Height: 12.75 in (324 mm)
Weight (with battery)	12 lb (5.44 kg)
Detector Type	Ion Trap Mobility Spectrometer; Nickel 63, 10 millicurie (370 MBq) strength
Analysis Time	Less than 12 seconds
Sample Acquisition	Particle and/or vapor
Warmup Time (initial/daily)	24 hours/30 minutes
Operating Temperature	-20 to 55°C (-4 to 131°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)
Power	External AC to DC power supply, DC vehicle power adapter, and main battery
Computer	Windows® CE 5.0, 1 GB compact flash disk
Display	3.5 in. (8.9 cm); color LCD, 800 NIT
Detection Modes	Explosives, narcotics, TICs, CWAs
Certifications	CE
Environmental	IP54, MIL-STD-810-G: resistant to blowing dust, rain, salt fog, vibration, physical shock

## PRODUCT FEATURES



## KEY MISSIONS, KEY TECHNOLOGIES, KEY TALENTS

© 2010-2014 Morpho Detection, LLC. All rights reserved. MobileTrace is a registered trademark of Morpho Detection, LLC. Features and specifications are subject to change without notice. EXRW 2/14 GBEM44 DAT 2/14