

Hardened MobileTrace®

Chemical 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 team by screening for explosives, narcotics and other threats, and by collecting evidence 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 straightforward software and instructions found common in the user interface across many of MDI's trace detectors.

Rugged, Portable, Tested

- 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

From



Bishopsgate



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

From



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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
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Portable

- Lightweight
 - Two batteries for up to six hours of operation
 - Internal back up batteries for “hot swap” ability
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Expanded Substance Detection

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

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

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

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 810G: resistant to blowing dust, rain, salt fog, vibration, physical shock

Dimensions

Length	17.25 in. (438 mm)
Width	6.25 in. (159 mm)
Height	12.75 in. (324mm)
Weight	12 lbs (5.44 kg)
(with battery)	



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