

MX908

Multi-Threat Trace Detection and Identification

Multi-Threat Detection

MX908® leverages high-pressure mass spectrometry™ (HPMS) to deliver dramatically enhanced sensitivity and broader threat category coverage. This second-generation tool increases mission support with unmatched flexibility and trace detection power for elite responders in chemical, explosive, drug and priority hazmat scenarios.

Reliable Field Analysis

With the enhanced selectivity of HPMS, users can conduct field analysis of unknown substances at trace levels to identify drugs while keeping officers safe. The MX908 allows operators to rapidly assess threat levels, establish reliable probable cause, and prioritize investigatory resources accordingly, all while reducing operator exposure.

Missions:

- Drug Interdictions and Investigations
- Clandestine Laboratory Exploitation
- EOD
- Border Security
- HazMat Response
- Checkpoint Security
- Postal Security
- Event Security

Threat Categories:

- Fentanyls/Synthetic Opioids
- Synthetic Cannabinoids
- Synthetic Cathinones
- Traditional drugs such as:
 - Cocaine
 - Heroin
 - Meth
 - MDMA, and more
- Precursors

Operational Strengths:

- Nanogram level detection identifies threats while keeping officers safe
- Establish probable cause with trace evidence
- 24/7 Reachback support for data analysis by forensic chemists

Attributes:

- Fast start up
- Results in <45s
- Trace detection (low - mid nanograms)
- Powered by mass spectrometry
- Heightened sensitivity and selectivity
- Unmistakable audio and visual alerts
- Simple interface
- Low maintenance



MX908 Mission Modes enhance performance for specific mission objectives.

Drug Hunter is a mission mode for the detection of drugs such as: fentanyl and fentanyl analogs, along with other high priority controlled substances.

Drug Hunter unlocks detection capabilities for more than 2000 fentanyl variants.

Fentanyl Analog Classifier future-proofs your MX908 against the ever-changing fentanyl analog landscape. The MX908 is the only device capable of classifying fentanyl analogs without a library-based approach allowing users to stay ahead of new and emerging fentanyl analogs.

Specifications

Size:	29.8 x 21.6 x 12.2 cm (11.8 x 8.5 x 4.8 in)
Power:	Replaceable, hot swappable batteries with >3 hours of continuous operation (2 spare batteries included)
Display:	Adjustable ultra-bright backlit display for direct sunlight and nighttime conditions, 12.7 cm (5 in)
Weight:	≤4.3 kg (9.5 lbs); varies based on module, accessories
Ionization Source:	Non-radioactive, internal ionization, variable energy, dual polarity
Sample Introduction:	Rapid trace-to-bulk solid/liquid analysis via thermal desorption swabs; continuous gas/vapor analysis with periodic aerosol analysis via thermal desorption
Alarm Type:	Audio and visual for both detection and identification
Software:	Embedded, self-contained, on-board analytics
Data Export:	<ul style="list-style-type: none"> Export wirelessly via Bluetooth connection with any compatible iOS or Android device Export manually using included USB drive
Decontamination:	IP-54 rated, chemical resistant housing spray/splash and wipe down
Operating Temperature:	0°–40° C (32°–110° F)
Storage Temperature:	-20°–60° C (-4°–140° F)
Ruggedness:	MIL-STD-810G



MX908 is equipped with modular accessories for ease of transition between solid, liquid, vapor, and aerosol sample types.



MX908 is rugged and meets the requirements for use in harsh environments.



The enhanced selectivity of MX908 allows for even broader threat category coverage.

▶ ALL	1	▶ 1-phenyl-2-propanol	///
▶ CW AGENTS	2	▶ 2,4-toluene diisocyanate	///
▶ CWA PRE/DEG		▶ 2-(bromoethyl)benzene	///
▶ DRUGS		▶ 2-(diethylamino)ethanol	///
▶ DRUG PRECURSORS		▶ 2-(diisopropylamino)ethanol	///
▶ EXPLOSIVES		▶ 2-chloroethyl ethyl sulfide	///
▶ FENTANILS	3	▶ 3-methylfentanyl	///
▶ INDUSTRIAL		▶ 3-quinuclidinol	///
▶ PRIORITY TIC	a	▶ acetaminophen/paracetamol	///
▶ TRAINING			