



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 generate actionable intelligence in real time. 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 Interdiction
- Clandestine Laboratory Exploitation
- EOD
- Border security
- HazMat response
- Checkpoint security
- Postal security
- Event security

THREAT CATEGORIES:

- Fentanyl/Synthetic Opioids
- CWA
- Emerging threats
- Explosives
- TIC/TIM
- Precursors

OPERATIONAL STRENGTHS:

- Trace-level vapors, solids and liquids

ATTRIBUTES:

- Fast start up
- Rapid analysis
- 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-analogues, along with other high priority controlled substances.



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

This Mission Mode future-proofs your MX908 against the ever-changing Fentanyl analog landscape with a novel classification algorithm that sets MX908 apart from any library-based techniques.

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	Continuous gas/vapor analysis; rapid trace-to-bulk solid/liquid analysis via thermal desorption swabs
Alarm Type	Audio and visual for both detection and identification
Software	Embedded, self-contained, on-board analytics
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 rugged and meets the requirements for use in harsh environments.



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

▶ ALL	1	
▶ CWA AGENTS	▶ 1-phenyl-2-propanol	///
▶ CWA PRE/DEG	2	
▶ DRUGS	▶ 2,4-toluene diisocyanate	///
▶ DRUG PRECURSORS	▶ 2-(bromoethyl)benzene	///
▶ EXPLOSIVES	▶ 2-(diethylamino)ethanol	///
▶ FENTANYLS	▶ 2-(diisopropylamino)ethanol	///
▶ INDUSTRIAL	▶ 2-chloroethyl ethyl sulfide	///
▶ PRIORITY TIC	3	
	▶ 3-methylfentanil	///
	▶ 3-quinuclidinol	///
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The enhanced selectivity of MX908 allows for even broader threat category coverage.



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