

# MX908

## Next-Level HPMS For All Hazard Trace Detection and Identification

### All Hazard 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. MX908 lightens the overall technology burden by displacing other less selective technologies from the response toolkit.

### Lightening The Load

With the enhanced proficiency of HPMS, users can lighten the technology load of tools required downrange. With sensitivity levels comparable to ion mobility mass spectrometry (IMS) and significantly enhanced selectivity, MX908 can detect trace quantities (low - mid ppb) of priority threats amongst the myriad of interferents that plague other less selective technologies.



### Missions:

- Site Exploitation
- EOD
- Border Security
- HazMat Response
- Checkpoint Security
- Postal Security
- Event Security

### Threat Categories:

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

### Operational Strengths:

- Trace-level vapors, aerosols, solids, and liquids

### Attributes:

- Fast start up
- Rapid analysis
- Trace detection (low - mid ppb)
- Powered by mass spectrometry
- Heightened sensitivity and selectivity
- Unmistakable audio and visual alerts
- Simple interface
- Low maintenance



## Mission Modes Use Specialized Software To Optimize Performance For Specific Mission Objectives

**CW Hunter** is a mission mode for the detection of priority chemical warfare agents, including A-series (Novichoks). Delivers real-time vapor quantification.

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

**Explosives Hunter** is a mission mode for the detection of priority threats from military and commercial grade explosives, to homemade energetics and relevant precursors.

### Specifications

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

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



An obvious user interface guides users through each mission mode.