

MX908

Rugged Mass Spec for Trace Detection and Identification of CWAs & TICS

Expansive Threat Detection

MX908® leverages high-pressure mass spectrometry™ (HPMS) to deliver dramatically enhanced sensitivity for identification of chemical warfare agents (CWAs), toxic industrial chemicals (TICs) and more. In addition to traditional agents and threat materials, MX908 is a field-deployable tool that can identify A-series CWAs, also known as fourth generation agents (FGAs) or Novichoks, at trace levels.

Closing the Capability Gap

As the threat landscape continues to evolve, responders must adapt to ensure they're equipped to address threats as they arise. Whether identifying military grade warfare agent, mitigating an active incident, or validating decontamination, responders need the selectivity to distinguish between threats and the sensitivity for high fidelity trace detection. With MX908, elite federal, military and civilian responders have the quick, confident intelligence they need to ensure the safety of their team and the public.

With the addition of MX908 Beacon™, operators can provide real-time, remote identification of aerosol and vapor for extended durations, adding a layer of protection for special events, hazmat response and critical infrastructure.



Missions:

- Area Monitoring
- Site Exploitation
- Border Security
- HazMat Response
- Checkpoint Security
- Postal Security
- Event Security

Threat Categories:

- CWAs (including Novichoks)
- Fentanyl/Opioids
- Emerging threats
- Explosives
- TIC/TIM
- Precursors

Trace Level Sampling Modes:

- Vapors
- Aerosols
- Solids and liquids

Operational Strengths:

- MX908 Beacon accessory for remote area monitoring
- 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

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 with periodic aerosol analysis via thermal desorption; 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
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:	P-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



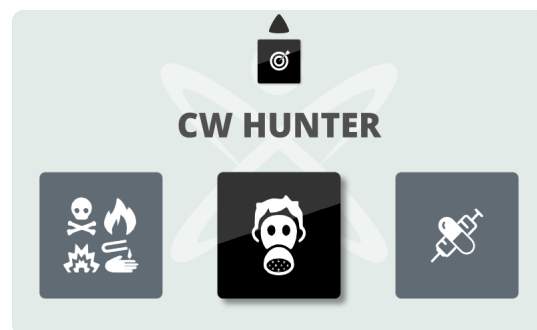
MX908 is rugged and meets the requirements for use in harsh environments.



MX908 Beacon accessory for remote area monitoring

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-methylfentanyl
	▶ 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.