SPEC SHEET

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
- Fentanyls/Opiods
- Emerging threats
- Explosives
- TIC/TIM
- Precursors

OPERATIONAL STRENGTHS:

- Trace-level vapors, 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

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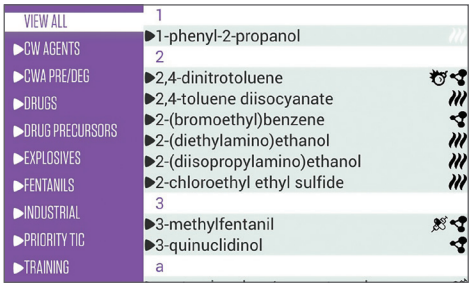
MX908 is rugged and meets the requirements for use in harsh environments.

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



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

An obvious user interface guides users through each mission mode.

New MX908 Mission Modes enhance performance using specialized software configurations to optimize operational performance of existing hardware for specific mission objectives.

Drug Hunter: is a mission mode for the detection of drugs and pharmaceutical-based agents (PBAs) such as: fentanyl and fentanyl-analogues, 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.

CWA Hunter: is a mission mode for the detection of priority chemical warfare agents, including real-time vapor quantification.

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	3.9 kg (8.7 lbs), including batteries
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

ABOUT 908 DEVICES

908 Devices Inc. is democratizing chemical analysis by way of mass spectrometry. We make products ranging from rugged, handheld chemical detection tools to compact, tiny footprint analyzers and fast separation devices. These purpose-built and user-centric devices serve a range of industries including safety and security, oil & gas, life sciences and other applied markets.

MX908 is subject to export controls including those of the Export Administration Regulations of the U.S. Department of Commerce, which may restrict or require licenses for the export of product from the United States and their re-export to and from other countries.
Patented technology www.908devices/patents
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