

Product Datasheet

MX908

Next-Level HPMS for All Hazard Trace Detection and Identification

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.

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.

Sampling modes

- Trace-level vapours, solids and liquids.

Operational strengths

- 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.



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



MX908 Mission Modes use specialised software configurations to optimise 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 vapour quantification.

Drug Hunter – is a mission mode for the detection of drugs 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.



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EXPERIENCE & EXPERTISE

Specifications

General	
Size	29.8 x 21.6 x 12.2 cm
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
Weight	≤ 4.3 kg; varies based on module, accessories
Ionisation Source	Non-radioactive, internal ionisation, variable energy, dual polarity
Sample Introduction	Continuous gas/vapour 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	P-54 rated, chemical resistant housing, spray/splash and wipe down
Operating Temperature	0° - 40° C
Storage Temperature	-20° - 60° C
Ruggedness	MIL-STD-810G

Specifications are subject to change without notice.
For the most up-to-date specifications, please visit www.flir.com

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