



Handheld Mass Spec for Trace Vapor Detection

FOCUSED THREAT DETECTION

M908™ is specifically engineered for your most time-critical survey missions. The world's first handheld tool utilizing high-pressure mass spectrometry™ (HPMS), M908 provides civilian, federal and military responders with expanded analysis capabilities for CBRNE and Hazmat identification and detection at the point of action. Weighing just 2.0 kg (4.4lbs), M908 is a light and lean tool focused on your priority chemical threats.

EXPANDING THE RESPONDER TOOLKIT

The unique proficiency of handheld high-pressure mass spectrometry (HPMS) expands the first responder tool kit adding deep chemical detection capabilities beyond traditional tools. The selectivity of mass spectrometry allows M908 to detect near-trace quantities of critical threats amongst the myriad of interferents that plague other less selective technologies.

MISSIONS:

- Clan Lab
- EOD
- Hazmat response

THREAT CATEGORIES:

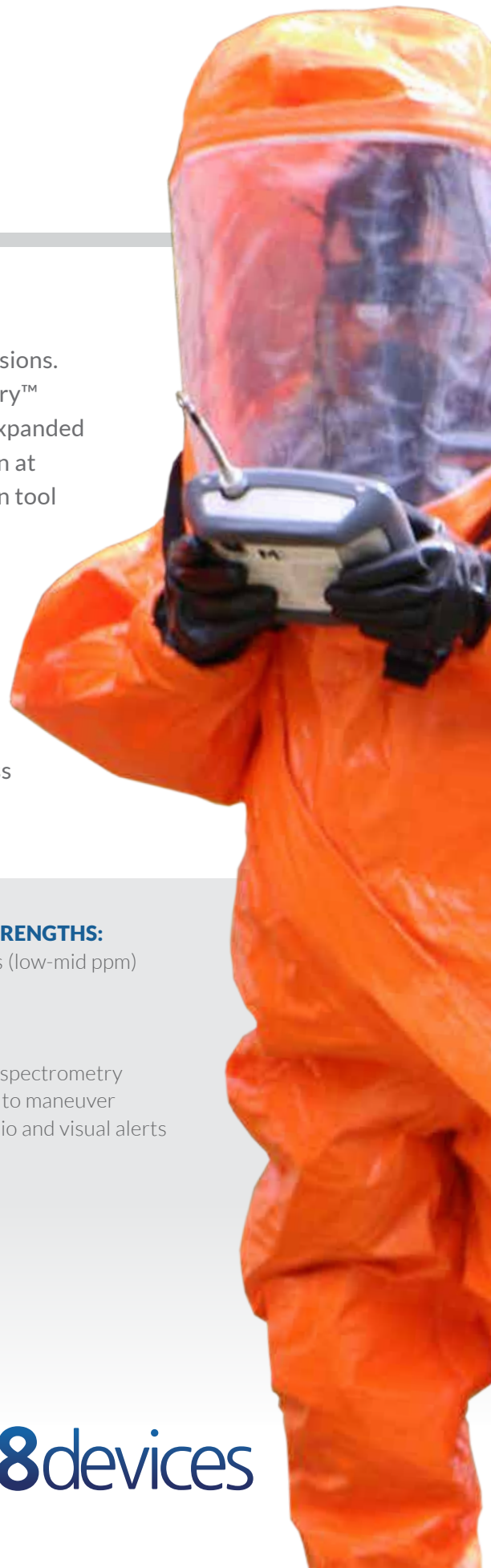
- CWA
- TIC/TIM
- Precursors
- Emerging threats

OPERATIONAL STRENGTHS:

- Near-trace vapors (low-mid ppm)

ATTRIBUTES:

- Handheld
- Powered by mass spectrometry
- Easy to hold, easy to maneuver
- Unmistakable audio and visual alerts
- Simple interface
- Low maintenance

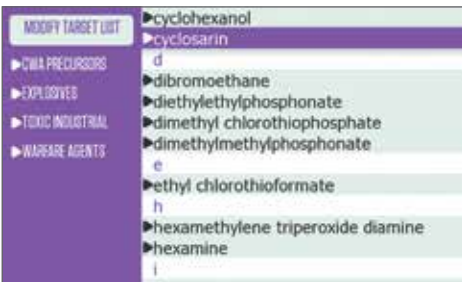




Rugged and resistant to salt spray and other harsh environmental conditions.



Patented microscale ion trap technology enables operation without the need for extreme vacuum or additional gas supply.



Expandable threat list allows M908 to evolve with new hazards.



M908 allows for continuous monitoring of potential hazards.

M908 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.com/patents
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SPECIFICATIONS

Technology	High-Pressure Mass Spectrometry (HPMS)
Size	22 x 18.5 x 7.6 cm (8.7 x 7.3 x 3 in)
Power	Replaceable, rechargeable battery with > 4 hours of continuous operation
Display	Adjustable backlit display for direct sunlight and nighttime conditions, 10.9 cm (4.3 in) diagonal size, 800 x 480 resolution
Weight	2.0 kg (4.4 lbs), including battery
Mass Spectrometer	Microscale Ion Trap
Mass Range	55 - 400 Da; configurable to higher mass
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	Audible and visual for both detection and identification
Software	Embedded, self-contained, on-board analytics
Decontamination	IP-53 rated, chemical resistant housing spray/splash and wipe down
Operating Temperature	-4° - 104° F (-20° - 40° C)
Storage Temperature	-4° - 140° F (-20° - 60° C)

M908 is a handheld survey tool for the most extreme hazards in vapor, solid or liquid form:

- Chemical Warfare Agents (CWA)
- Toxic Industrial Chemicals (TIC)
- Simulants and precursors

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.



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