

# Product Datasheet

# MX908

## Multi-Threat 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.

With the enhanced selectivity of HPMS, users can conduct field analysis of unknown substances at trace levels to generate actionable intelligence in real time. The MX908 allows operators to rapidly assess threat levels, establish reliable probable cause, and prioritise investigatory resources accordingly, all while reducing operator exposure.



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



### Missions

- Drug Interdiction.
- Clandestine Laboratory Exploitation.
- EOD.
- Border security.
- HazMat response.
- Checkpoint security.
- Postal security.
- Event security.

### Threat categories

- Fentanyl/Synthetic Opioids.
- CWA.
- 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 Mission Modes enhance performance for specific mission objectives.

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

### Drug Hunter unlocks detection capabilities for more than 2000 fentanyl variants

This Mission Mode future-proofs your MX908 against the ever-changing Fentanyl analog landscape with a novel classification algorithm that sets MX908 apart from any library-based techniques.



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EXPERIENCE & EXPERTISE

# Specifications

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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](http://www.flir.com)

**Southern Scientific Limited**  
Scientific House, The Henfield Business Park  
Shoreham Road, Henfield, BN5 9SL, UK  
**E-mail:** [info@southernscientific.co.uk](mailto:info@southernscientific.co.uk)  
**Tel:** +44 (0)1273 497600  
[www.southernscientific.co.uk](http://www.southernscientific.co.uk)

