

MX⁹⁰⁸

Real-Time Threats. Real-Time Detection.

MX908 is a multi-mission, handheld mass spectrometer utilized by elite responders conducting chemical, explosive, priority drug, and hazmat operations around the world.

PORTABLE MASS SPECTROMETER



 908devices

MX908: A CRITICAL TOOL IN THE RESPONDER TOOLKIT

MX908[®] detects compounds at trace levels and combines unparalleled sensitivity and selectivity, providing users with confident results and actionable intelligence other handheld technologies cannot. The power of high-pressure mass spectrometry™ (HPMS) accurately discriminates priority threats from the broad range of interferences that lead to false alarms with other commonly used technologies.



DETECT AND IDENTIFY CHEMICALS IN ANY PHASE

With the MX908, one device can analyze any sample you encounter regardless of size or phase of matter. This flexibility combined with the MX908 expanding target list ensures that responders have a device that can evolve with new and emerging threats.

MULTI-MODE THREAT DETECTION



Solids



Liquids



Vapors



Aerosols

MX908 EXCELS WITH SAMPLES ACROSS THE THREAT LANDSCAPE



MX908 EXCELS WITH A BROAD RANGE OF SAMPLES AND CONCENTRATIONS

The MX908 is powered by high-pressure mass spectrometry (HPMS) technology, which enables responders to detect and identify chemical hazards from bulk to true trace concentrations. MX908 is up to 1 million times more sensitive than commonly used Raman and FT-IR technologies. Depend on high-fidelity trace and bulk identification, for point detection or remote area monitoring, all with one device.

		PURITY		
		HIGH >70%	INTERMEDIATE 10-70%	LOW <10%
		CONCENTRATION		
BULK VISIBLE GRAMS PPM	AMOUNT	STOCKPILES	HAZMAT EVENT	CONTRABAND
		CLANDESTINE LABS	CHEMICAL MUNITIONS	DRUGS
		WMD EVENT	VEHICLE INSPECTION	SCREENING
RESIDUE BARELY VISIBLE MILLIGRAMS PPM/PPB				
TRACE INVISIBLE NANOGRAMS PPB				

YOUR MISSION DEFINES YOUR MODE

Based on your specific mission objectives, choose an MX908 Mission Mode that leverages specialized software and hardware configurations to optimize performance for hunting certain chemical classes.



DRUG HUNTER

Methamphetamine	Heroin
Cocaine	Cannabinoids
Fentanyl and 2000+ Fentanyl Analogs	Cathinones
	And More...



Identify narcotics in low concentration mixtures (well below 5%)



Establish trace chemical evidence linkages for interdiction, checkpoint operations, and more



Improve officer safety with limited exposure risk



Fentanyl Classifier provides coverage for 2000+ fentanyl analogs



Add case information with the MX908 remote application



CW HUNTER

Novichoks or A-series Agents	Pharmaceutical Based Agents (including fentanyl, carfentanil, and remifentanil)
Legacy Warfare Agents (G, V, and H-series)	



Only field deployable detector for trace identification of Novichoks



Only field deployable detector for identification of aerosolized threats



Quantify chemical warfare agents in real time



Identifying Novichoks and other CWAs by name is essential for decontamination and medical response



Allow for broad threat coverage in any state with a single device



Remote area monitoring with MX908 Beacon



EXPLOSIVE HUNTER

Homemade Explosives	Commercial Explosives
Military Explosives	Precursors



Identify trace explosive residues



Identify explosives by name to guide response



Analyze samples safely with no threat of igniting sensitive materials



Identify aerosolized chemical threats dispersed from IEDs and other munitions



Establish trace chemical evidence linkages for checkpoint operations, HME lab response, and more



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