

MADE IN
AMERICA

MIRA XTR DS Datasheet

SAFER, SIMPLER, SMALLER RAMAN

MIRA XTR DS is the solution for first responders and military personnel who deal with illicit drugs, hazardous materials, CWAs, and IEDs.



Safe Sampling

Identify trace and bulk materials on a surface, in a bottle, through a container, or even across a room. Our advanced sampling combined with Orbital Raster Scan technology means you can measure safely and identify almost anything you find, even primary explosives.

Unparalleled Fentanyl Detection

Identify hundreds of types of fentanyl with the MIRA Illicit Materials Library. Interdict micro-trafficking of low-dose street materials with SERS.

Fluorescence Rejection

Patent pending eXTRaction technology pulls the Raman data out of fluorescent backgrounds. That means meth lab residues, street narcotics samples, and plastic explosive formulations are handled without the tradeoffs of 1064 systems.

Application and Capabilities

Investigate clandestine labs to determine synthetic routes to illicit products, explosives, and CWAs. Interdict supply chains with positive ID of cutting agents and narcotics. Reduce forensic lab wait times with presumptive testing.

Connected Decision Making

Integrate MIRA XTR DS with MiraCal M App for Android™ to take pictures, add notes, and more. Share the data with HazmasterG3™ for full threat recipe analysis. Send results for instant in-field risk management or 24/7/365 Reachback support.

Simple Analysis

Interlocking Smart Attachments automatically let the system know what kind of test you are performing. Color coded results include actionable information such as common names and hazard details for better decision making.



Physical Specification

Dimensions (Approx)	W 87.9 mm (3.46 in)
	H 126.5 mm (4.98 in)
Weight	705 g (1.55 lbs)

MIRA XTR DS Advanced

Ruggedized carrying case
Calibration standard
Right angle attachment
Intelligent universal attachment
SERS attachment
Vial holder attachment
Blackout cloth
Lithium ion battery (AA / 1.5V)
Microfiber cleaning cloth
USB cable
Laser safety glasses
KnowItAll® Raman library collection
MIRA Illicit Materials library

MIRA XTR DS Basic

Calibration standard
Intelligent universal attachment
USB cable
MIRA Illicit Materials library

Sampling Accessories

Intelligent universal attachment	Sample through barriers from thin plastic bags to thick glass bottles. In «container mode», recognize container materials, e.g. plastics, for better identification of the contents.
Right angle attachment	Identify unknowns on a surface or in a bag.
Vial attachment	Store and identify powders or liquids in a vial.
SERS attachment	Detect small amounts of narcotics in street samples and trace drug residues.
Autofocus standoff attachment	Measure potentially hazardous materials from up to two meters away.
Contact ball probe attachment	Identify unknowns in hard to reach places.
Tablet attachment	Interrogate seized tablets without having to hold them by hand.

Features & Benefits

Patented ORS technology allows 785nm laser to interrogate sensitive samples.

Higher sensitivity and resolution in a smaller footprint than 1064 nm instrument.

20,000 + library entries – the largest library available on any handheld Raman system.

ID of synthetic reagents used in the preparation of illicit materials, e.g., solvents, building blocks, activators, and other common chemicals.

Capable of both bulk Raman and trace identification of heroin, fentanyl and other illicit drugs.

Other Accessories

- MIRA PowerPack
- Protective Boot
- Field carry pouch
- HazmasterG3 license
- Ruggedized Android tablet
- HazmasterG3 License

www.tacticalraman.com