



Mira DS Basic (US Only)

2.926.0015

The Metrohm Instant Raman Analyzer (MIRA) DS is a ruggedized, high-performance, portable Raman spectrometer for rapid, nondestructive determination of illegal materials, e.g. drugs, explosives, base materials, and hazardous substances. Despite the small size of the instrument, the MIRA DS is highly ruggedized and features a high-efficiency spectrograph equipped with our unique Orbital-Raster-Scan (ORS) technology.

MIRA DS Basic package allows the user to customize the MIRA DS to meet their needs. The MIRA Basic package is a starter package that contains the basic components required for operating the MIRA DS.

The MIRA DS basic package includes a calibration standard, a USB cable, and the LWD attachment for analyses in bottles and several bags. Laser Class 3B operation. MIRA DS supports Metrohm handheld Raman libraries.

Below, the accessories are grouped into Scope of delivery and Optional accessories.
Please keep this printout at hand for ordering replacement material.
These lists may be subject to change.

Scope of delivery 2.926.0015

Qt.	Order no.	Description
1 PCS	6.021.08010	Cable USB Mini - USB A, 1.5 m
		For connecting USB instruments.
		
1 PCS	6.07501.010	ASTM Calibration Standard
		50:50 (v:v) Toluene/Acetonitrile ASTM standard for calibration of the wavenumber axis of MIRA/MISA systems. Class 3B operation.
		
1 PCS	6.07505.000	LWD Attachment Lens
		Long distance point-and-shoot Adapter (LWD) for MIRA systems with a focal length of 7.6 mm. Class 3B operation.
		
1 PCS	6.2151.110	Metrohm USB Mini B cable (OTG) - USB A, 1.8 m
		For connecting USB instruments.
		

Optional accessories

Order no.	Description	
6.07502.000	Vial Holder Vial holder attachment for MIRA systems. Accommodates 15 x 26 mm glass vials.	
6.07505.010	SWD Attachment Lens Short distance point-and-shoot Adapter (SWD) for MIRA systems with a focal length of 1.00 mm. Class 3B operation.	
6.07505.020	XLWD Attachment Lens Extra-long distance point-and-shoot Adapter (XLWD) for MIRA systems with a focal length of 18 mm. Class 3B operation.	
6.07506.000	Right-Angle Attachment The right-angle attachment is designed to allow the user to collect data by placing the substance on a surface and then laying the MIRA down next to it with the right angle tip covering the substance. Ideal for a baggy on hood of a squad car. Eliminates many of the variables during testing. Class 3B operation.	

6.07506.010 Universal attachment

The Universal attachment is designed to be a universal tip for use in three different positions. Position 3 is used for direct contact. Position 2 is used for thin plastic bags, for which the focal point is approximately 1.0 mm from the end of the adapter. Position 1 is used for focusing through bottles, for which the focal point is approximately 8 mm from the end of the metal tip. Class 3B operation.



6.07506.020 Standoff Attachment

The Standoff Attachment is designed to allow the user to determine the spectrum of a substance from a distance of 0.25 to 1.5 meters. Perfect for determination of the contents of a 55-gallon drum or barrel or to stand in a doorway and scan a container from across the room.



6.07506.030 Contact Ball Probe Attachment

The Contact Ball Probe Attachment is designed to allow the user to collect data from a sample with no concern of proper focus. Simply contact the sample or immerse the probe to acquire the data. The stainless steel construction allows for easy cleaning. Class 3B operation.



6.07506.040 SERS Attachment

The SERS attachment enables the user to perform a very easy measurement of the SERS spectrum of a substance that has been applied to a P-SERS test strip. After applying a sample to the P-SERS test strip, the user simply inserts it into the slot of the SERS attachment for analysis.



6.07506.050 Protective Sheath for Contact Ball Probe

The disposable protective sheath is made of extremely thin LDPE and is used to prevent cross-contamination when using the ball probe in several containers. Quantity: 250 pieces.



6.07506.060 Intelligent Universal Attachment (iUA)

iUA is an intelligent 3-position collection optics accessory for MIRA systems. The iUA combines the flexibility of a universal attachment with the intelligent mode of operation of MIRA SmartTip Attachments. Each position indicates the ideal purpose of that position, i.e. surface, bag, or bottle.



607506160 Silver P-SERS Substrate (Ag), 25 pieces

Silver P-SERS substrates (Printed SERS substrates). The substrates are designed to fit directly into the SERS attachment for optimal signal collection. Potential target analytes that show favorable performance with silver P-SERS substrates include illicit drugs, medicines, dyes and amines. Available in packs of 25.



607506170 Gold P-SERS Substrate (Au), 25 pieces

Gold P-SERS substrates (Printed SERS substrates). The substrates are designed to fit directly into the SERS attachment for optimal signal collection. Potential target analytes that show favorable performance with gold P-SERS substrates include pesticides, medicines, and thiols. Available in packs of 25.



ID Kit, Illicit Materials

The ID Kit - Illicit Materials contains all the components a MIRA / MISA user requires to analyze a crude street sample and determine whether opioid and other illicit drugs are present.

The kit contains a disposable spatula, dropper, a small vial of solvent, and 2 silver P-SERS strips (Ag). The user simply scoops a small amount of the unknown sample into the vial of solvent and then either dip the P-SERS strip into the vial OR use the provided dropper to apply sample onto the strip.

The ID Kit allows the detection and identification of trace amounts of opioid, even in highly fluorescent street samples.



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MIRA Illicit and General Chemicals Library

MIRA (Metrohm Instant Raman Analyzer) library of illicit materials including drugs, TICs, TIMs, precursors, and general chemicals.

