



## MIRA DS Advanced (US only)

2.926.0025

The Metrohm Instant Raman Analyzer (MIRA) DS is a ruggedized, high-performance, handheld Raman spectrometer used for rapid, nondestructive determination of illicit materials, e.g. drugs, explosives, starting materials, and hazardous agents. Despite the small size of the instrument, MIRA DS is extremely rugged and features a high-efficiency spectrograph equipped with our unique Orbital-Raster-Scan (ORS) technology.

The Basic package includes a calibration standard, universal attachment for analyses in bottles or bags or for direct analysis, and the right-angle attachment, ideal for running samples on a surface and/or in a bag. 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 2.926.0025

Qt.	Order no.	Description
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1 PCS                      6.021.08010                      Cable USB Mini - USB A, 1.5 m

For connecting USB instruments.



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1 PCS                      6.02707.020                      MIRA DS Robust Carrying Case

Robust carrying case for MIRA DS and all accessories.



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1 PCS                      6.06071.020                      MIRACal DS USB Stick

User-friendly software developed primarily for downloading and printing reports, analyzing data, creating spectral libraries, collecting data and managing users.



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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

6.07506.000

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.



1 PCS

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.

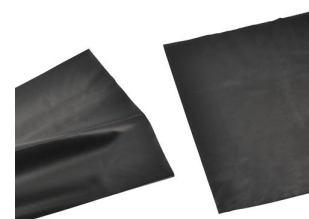


1 PCS

6.07507.000

Mira Sampling Blackout Cloth

Optical Blackout cloth for sampling in sunlight conditions.



1 PCS

6.2133.020

Lithium battery AA 1.5V/ 2900 mAh

1.5V lithium AA batteries, 4 pieces.



1 PCS

6.2151.110

Metrohm USB Mini B cable (OTG) - USB A, 1.8 m

For connecting USB instruments.



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1 PCS

6.7430.060

Micro Fiber Cleaning Cloth

Cleaning cloth for monitors and optics.



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1 PCS





6.7560.010

Protective Laser Glasses for MIRA

Proper laser safety precautions should be followed for the use of the MIRA products. Protection pursuant to EN 207 is offered with these protective glasses for the 785 nm laser excitation wavelength (also suitable for those who already wear eyeglasses). Work for long periods without difficulties, thanks to the lightweight construction and comfortable design of the protective laser glasses.



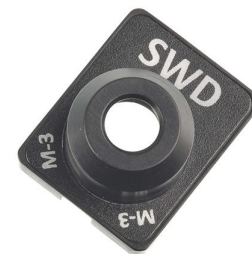
## Optional accessories

Order no.	Description	
6.02707.400	MIRA P Protective Case	
	Protective case for the Mira P and all accessory parts.	
6.07502.000	Vial Holder	
	Vial holder attachment for MIRA systems. Accommodates 15 x 26 mm glass vials.	
6.07504.000	Tablet Holder	
	Tablet holder attachment for MIRA systems that is used for analysis of formulated tablets of various sizes and shapes.	
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.	

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.



6.07506.020

## 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.



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.



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.



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.



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 50.





6.07506.130 Gold P-SERS Substrate (Au), 50 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 50.



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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.



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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.



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6.07506.400 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.





6.07507.100 MIRA DS Field Carry Pouch

The MIRA DS Field Carry Pouch is a utility pouch with padded sides for carrying the MIRA into the field. It has space for MIRA, four AA batteries, the right-angle attachment, iUA, calibration standard, and a few ID Kits.

The Field Carry Pouch can be attached to any of the current military pouch /backpack systems.



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6.2133.030 MIRA PowerPack

MIRA PowerPack rechargeable external battery is designed for MIRA devices. Increases the period of usable charge to more than 8 hours.



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6.2168.020 USB-C Charger

Charger with USB-C socket for MIRA PowerPack.



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66071634 MIRA Illicit and General Chemicals Library

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



HazMasterG3® delivers key insights and critical guidance for 167,000+ chemical agents (toxic industrial chemicals (TICs), toxic industrial materials (TIMs), chemical warfare agents (CWAs), precursors, trade names, etc.).



## 6.7502.010

## Glass Vials for MIRA, 144 pieces

Glass vials for use with MIRA systems. 15 mm x 26 mm.

144 glass vials are included in the scope of delivery.



## 6.7560.200

## MIRA PowerPack Kit

MIRA PowerPack Kit contains the MIRA PowerPack rechargeable external battery, a charger with USB-C socket, and a charger cable with USB-C plug. Designed for MIRA systems, the kit increases the period of usable charge to more than 8 hours.

