



MIRA DS Basic

2.926.0010

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 2.926.0010

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	
6.02707.020	MIRA DS Robust Carrying Case Robust carrying case for MIRA DS and all accessories.	
6.02707.400	MIRA P Protective Case Protective case for the Mira P and all accessory parts.	
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.	
6.07502.000	Vial Holder Vial holder attachment for MIRA systems. Accommodates 15 x 26 mm glass vials.	

Tablet Holder

Tablet holder attachment for MIRA systems that is used for analysis of formulated tablets of various sizes and shapes.



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.



6.07506.070 Autofocus Stand-off Attachment (AFSO)

Maximize safety with standoff identification of chemicals, explosives, drugs, and toxic materials.

- Identify threats from 2 meters away
- Operate remotely when risk is high
- Get quick and easy information with automated routines
- Identify >20,000 substances in seconds
- Robot mountable for complete hot-zone assessment



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

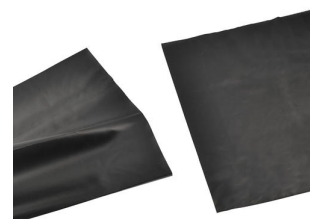
Gold P-SERS substrates (Printed SERS substrates). The substrates are designed to fit directly into the SERS attachment for optimal signal collection. Potential target analytes that show favorable performance with gold P-SERS substrates include pesticides, medicines, and thiols. Available in packs of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



6.07507.000

Mira Sampling Blackout Cloth

Optical Blackout cloth for sampling in sunlight conditions.



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.



6.2133.020

Lithium battery AA 1.5V/ 2900 mAh

1.5V lithium AA batteries, 4 pieces.



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.).



Cleaning cloth for monitors and optics.



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

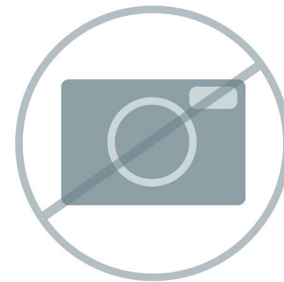
144 glass vials are included in the scope of delivery.



6.7503.100

MIRA Protective Boot

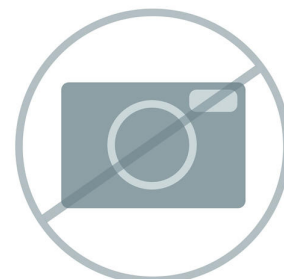
MIRA Protective Boot provides an extra layer of safety to MIRA devices. Made with a chemically resistant TPA material and specially designed to work with all SmartTip Attachments, the protective boot easily installs for a ruggedized feel and extra protection.



6.7503.110

PowerPack Protective Boot

PowerPack Protective Boot provides an extra layer of safety to PowerPack. Made with a chemically resistant TPA material and specially designed to work with Mira, the protective boot easily installs for a ruggedized feel and extra protection.



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.



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.

