MIRA XTR Advanced

2.926.0120

MIRA XTR is an alternative for high power 1064 nm systems. Powered by advanced computational processing, MIRA XTR uses a more sensitive 785 nm laser along with XTR algorithms to eXTRact the Raman data from the sample fluorescence. MIRA XTR also features Orbital Raster Scanning (ORS) to provide better coverage of the sample increasing the accuracy of the results.

MIRA XTR Advanced package includes a Calibration Standard, Intelligent Universal Attachment, Right-angle Attachment, Vial Attachment, and MIRA SERS Attachment. A complete package for any type of analysis. Class 3B operation. MIRA XTR 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 2.926.0120

Order Number	Description	Quantity
6.021.08010	**Cable USB Mini - USB A, 1.5 m** For connecting USB instruments.	1 PCS
6.02707.020	**MIRA DS Robust Carrying Case** Robust carrying case for MIRA DS and all accessories.	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.	1 PCS

6.07501.010

ASTM Calibration Standard 1 PCS

50:50 (v:v) Toluene/Acetonitrile ASTM standard for calibration of the wavenumber axis of MIRA/MISA systems. Class 3B operation.

6.07502.000

Vial Holder 1 PCS

Vial holder attachment for MIRA systems. Accommodates 15 x 26 mm glass vials.

6.07506.000

Right-Angle Attachment 1 PCS

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.

6.07506.040

SERS Attachment 1 PCS

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.

6.07506.060

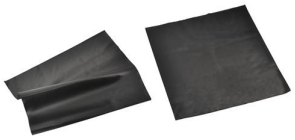
Intelligent Universal Attachment (iUA) 1 PCS

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.

6.07507.000

Mira Sampling Blackout Cloth 1 PCS

Optical Blackout cloth for sampling in sunlight conditions.



6.2133.020

Lithium battery AA 1.5V/ 2900 mAh 1 PCS

1.5V lithium AA batteries, 4 pieces.

6.7430.060

Micro Fiber Cleaning Cloth 1 PCS

Cleaning cloth for monitors and optics.

6.7560.010

Protective Laser Glasses for MIRA 1 PCS

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

6.02707.400
MIRA P Protective Case

Protective case for the Mira P and all accessory parts.

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.

6.07506.010
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.

6.07506.050
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.

6.07506.070
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

607506480
SERS Discovery Kit

Introductory kit for SERS analysis containing gold and silver P-SERS strips and gold and silver colloids.

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.

6.2133.030
MIRA PowerPack

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

6.2168.020
USB-C Charger

Charger with USB-C socket for MIRA PowerPack.

6.6071.640

HazMasterG3® Software

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.).

66071700

MIRA Comprehensive Raman Library

MIRA Metrohm Comprehensive RamanLibrary- More than 29,000 spectral entries of chemicals, organic chemicals, solvents, polymers, dyes and pigments, TICs, TIMs, inorganics and organometallics, personal care products, and illicit materials. CWA, explosives and minerals are optional libraries.

66071634

MIRA Illicit and General Chemicals Library

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

6.6071.660

Mira DS Raman Spectral Library – Chemical Warfare Agent

Includes common chemical warfare agents and precursors.

66071800

MIRA Minerals Library

Metrohm Minerals library for MIRA XTR

66071790

MIRA MCRL Organics - Sulfur Group

Metrohm Comprehensive Raman Library (MCRL) Organics - Sulfur Group for MIRA.

66071740
MIRA MCRL - Personal Care Products

Metrohm Comprehensive Raman Library (MCRL) Personal Care Products for MIRA.

66071710
MIRA MCRL - Polymers and Polymer Additives

Metrohm Comprehensive Raman Library (MCRL) Polymers and Polymer Additives for MIRA.

66071730
MIRA MCRL - Dyes, Pigments, and Stains

Metrohm Comprehensive Raman Library (MCRL) Dyes, Pigments, and Stains for MIRA.

66071810
MIRA MCRL - Pesticides

Metrohm Comprehensive Raman Library (MCRL) Pesticides for MIRA.

66071820
MIRA MCRL - Biochemicals

Metrohm Comprehensive Raman Library (MCRL) Biochemicals for MIRA.

66071830
MIRA MCRL - API

Metrohm Comprehensive Raman Library (MCRL) Active Pharmaceutical Ingredients (API) for MIRA.

66071750
MIRA MCRL - Organics

Metrohm Comprehensive Raman Library (MCRL) Organics for MIRA.

66071760
MIRA MCRL Organics - Halogenated

Metrohm Comprehensive Raman Library (MCRL) Organics - Halogenated for MIRA.

66071770
MIRA MCRL Organics - Nitrogen Group

Metrohm Comprehensive Raman Library (MCRL) Organics - Nitrogen Group for MIRA.

66071780
MIRA MCRL Organics - Oxygen Group

Metrohm Comprehensive Raman Library (MCRL) Organics - Oxygen Group for MIRA.

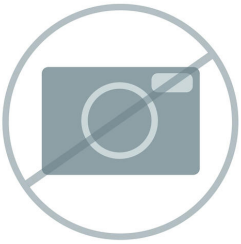
66071720
MIRA MCRL - Inorganics and Organometallics

Metrohm Comprehensive Raman Library (MCRL) Inorganics and Organometallics for MIRA.

6.7502.010
Glass Vials for MIRA, 144 pieces

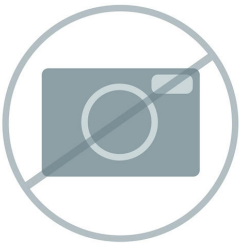
Glass vials for use with MIRA systems. 15 mm x 26 mm.
144 glass vials are included in the scope of delivery.

6.7503.100
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.

6.7560.200

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.