



MIRA M-3 Advanced Package

2.924.0020

The Metrohm Instant Raman Analyzer (MIRA) M-3 is a high performance, handheld Raman spectrometer used for rapid, nondestructive identification and verification of different material types, such as Pharmaceutical APIs and excipients. Despite the small size of the instrument, the Mira M-3 has a ruggedized design and features a high-efficiency spectrograph design equipped with our unique Orbital-Raster-Scan (ORS) technology. The Mira M-3 is fully compliant with FDA 21 CFR Part 11 regulations.

The Advanced Package includes an attachment lens for analyzing materials directly or through containers (laser Class 3b), as well as a vial holder attachment for analyzing materials contained in glass vials (laser Class 1).

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 2.924.0020

Qt.	Order no.	Description
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The Metrohm Instant Raman Analyzer (MIRA) M-3 is a high performance, handheld Raman spectrometer used for rapid, nondestructive identification and verification of different material types, such as Pharmaceutical APIs and excipients. Despite the small size of the instrument, the M-3 has a ruggedized design and features a high-efficiency spectrograph design equipped with our unique Orbital-Raster-Scan (ORS) technology. The Mira M-3 is fully compliant with FDA 21 CFR Part 11 regulations.



The Advanced Package includes an attachment lens for analyzing materials directly or through containers (laser Class 3b), as well as a vial holder attachment for analyzing materials contained in glass vials (laser Class 1).

For connecting USB instruments.



Protective case for the Mira M-3 and all accessories.



Simple-to-use software that is primarily used for downloading and analyzing data, printing reports, creating spectral libraries and operating procedures, as well as managing 21 CFR Part 11 compliance.



1 PCS

6.06071.040

Calibrate/Verify Accessory (CVA)

50:50 (v:v) Toluene/Acetonitrile ASTM standard for calibration of the wave number axis of MIRA M-3/P spectrometers and polystyrene for wave number verification according to EP 2.2.48.



1 PCS

6.06073.000

Raman Spectral USP Library

The USP library for the MIRA M-3/P contains more than 500 certified secondary USP standards for pharmaceutical API's and excipients.



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

6.07502.000

Vial Holder

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



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

6.07505.010

SWD Attachment Lens

Short distance point-and-shoot Adapter (SWD) for MIRA systems with a focal length of 1.00 mm. Class 3B operation.



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.



1 PCS

6.7430.060

Micro Fiber Cleaning Cloth

Cleaning cloth for monitors and optics.



1 PCS

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.



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.

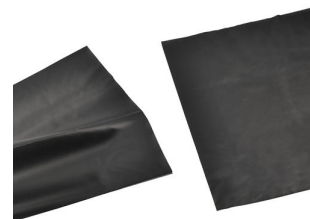


Optional accessories

Order no.	Description	
	Tablet Holder	
	Tablet holder attachment for MIRA systems that is used for analysis of formulated tablets of various sizes and shapes.	
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.	
6.07506.050	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.	

6.07507.000 Mira Sampling Blackout Cloth

Optical Blackout cloth for sampling in sunlight conditions.



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.

