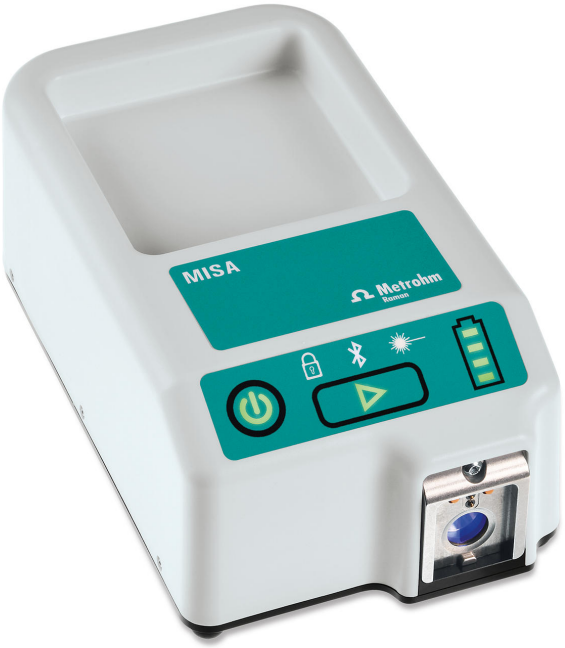

MISA Advanced

2.950.0020

El Metrohm Instant SERS Analyzer (MISA) es un sistema de análisis portátil de alto rendimiento para la rápida detección/identificación de sustancias prohibidas, aditivos alimentarios y trazas de contaminantes en los alimentos. El MISA tiene un espectrógrafo de alta eficiencia que está equipado con la tecnología única de Metrohm, el Orbital Raster Scan (ORS). Requiere un espacio mínimo y tiene una batería de larga duración, perfecta para pruebas in situ o aplicaciones de laboratorio móvil. MISA ofrece varios accesorios láser de clase 1 para opciones flexibles de toma de muestras. El analizador se puede manejar a través de Bluetooth o conectividad USB.

El paquete MISA Advanced es un paquete completo que permite al usuario realizar análisis SERS con las soluciones de nanopartículas y las tiras P-SERS de Metrohm.

El paquete MISA Advanced incluye un accesorio de vial MISA, un accesorio P-SERS, un patrón de calibración ASTM, un cable mini USB, una fuente de alimentación USB y el software MISA Cal para manejar el aparato MISA. También se incluye un resistente estuche protector para guardar de forma segura el aparato y los accesorios.

Partes/accesorios 2.950.0020

Qt.	Order no.	Descripción

1 PCS 1.950.0010 Misa Instrument

Metrohm Instant SERS Analyzer (Misa) is a high performance, portable analyzer used for rapid, trace level detection / identification of illicit materials, food additives and food contaminants. Misa features a high-efficiency spectrograph equipped with Metrohm's unique Orbital-Raster-Scan (ORS) technology. Thanks to its compact design and extended battery life, it is perfect for on-site testing or mobile laboratory applications. Various Laser Class 1 attachments are available for the Misa, ensuring flexible sampling options. The analyzer can be operated via BlueTooth or a USB connection.

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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 6.02707.030 Misa ruggedized carrying case

Rugged carrying case for Misa and all accessories.

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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.

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1 PCS 6.07505.030 P-SERS Attachment

Accommodates Metrohm's proprietary P-SERS strips. Operation with laser class 1. The P-SERS attachment allows full insertion of P-SERS strips ensuring optimal measurement conditions.

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1 PCS 6.07505.040 MISA Vial Attachment

Suitable for 15 x 26 mm glass vials. MISA vial attachment can be used for measurements with Metrohm's gold or silver SERS nanoparticles. Laser Class 1 operation.

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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.

Accesorios opcionales

Order no.	Descripción
6.07506.100	Silver P-SERS Substrate (Ag), 50 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 50. 
6.07506.110	Silver P-SERS Substrate (Ag), 500 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 500. 
6.07506.120	Silver P-SERS Substrate (Ag), 5000 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 5000. 
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. 

6.07506.140 Gold P-SERS Substrate (Au), 500 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 500.

6.07506.150 Gold P-SERS Substrate (Au), 5000 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 are easier to detect with gold P-SERS substrates include pesticides, medicines, and thiols. Available in packs of 5000.

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.

607506300 Silver Colloid, 10 mL

SERS active silver colloidal solution. Potential target analytes that show favorable performance with silver colloid include illicit drugs, medicines, dyes, and amines - 10 ml package.

607506310 Silver Colloid, 50 mL

SERS active silver colloidal solution. Potential target analytes that show favorable performance with silver colloid include illicit drugs, medicines, dyes, and amines - 50 ml package.

607506340 Silver Colloid, 500 mL

SERS active silver colloidal solution. Potential target analytes that show favorable performance with silver colloid include illicit drugs, medicines, dyes, and amines - 500 ml package.

607506350 Gold Colloid, 10 mL

SERS active gold colloidal solution. Potential target analytes that show favorable performance with gold colloid include pesticides, medicines, and thiols - 10 mL package.

607506360 Gold Colloid, 50 mL

SERS active gold colloidal solution. Potential target analytes that show favorable performance with gold colloid include pesticides, medicines, and thiols - 50 mL package.

607506390 Gold Colloid, 500 mL

SERS active gold colloidal solution. Potential target analytes that show favorable performance with gold colloid include pesticides, medicines, and thiols - 500 mL package.

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.

6.07506.440 ID Kit – Au NP

The ID Kit - Au NP contains the components a Mira / Misa user requires to perform a SERS analysis using gold colloidal solution. The kit contains a disposable spatula, dropper, sample vials and a bottle of gold colloid.

607506450 ID Kit - Ag NP

The ID Kit - Ag NP contains the components a Mira / Misa user requires to perform a SERS analysis using silver colloidal solution. The kit contains a disposable spatula, dropper, sample vials, and a bottle of silver colloid.

607506460 ID Kit – Au P-SERS

The ID Kit - Au P-SERS contains the components a Mira / Misa user requires to perform a SERS analysis using gold P-SERS strips. The kit contains a disposable spatula, dropper, sample vials and 2 gold P-SERS strips.

607506480 SERS Discovery Kit

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

6.6071.670 SERS Library - Illicit Materials

SERS spectral library of illicit materials commonly encountered by law enforcement in street samples, including heroin, cocaine, methamphetamine, MDMA and more.

6.6071.672 SERS Library - Food Additives

SERS spectral library of illegal additives and adulterants commonly found in food.

6.6071.674 SERS Library - Dyes

SERS spectral library of natural and artificial dyes commonly found in food.

6.6071.676 SERS Library - Pesticides

SERS spectral library of pesticides commonly found in food.

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.