



MISA Advanced

2.950.0020

Metrohm Instant SERS Analyzer (MISA) /MISA Metrohm (ORS) MISA 1 BlueTooth USB

MISA Advanced Metrohms P-SERS SERS

MISA Advanced MISA P-SERS- ASTM USB USB MISA MISA Cal

Scope of delivery 2.950.0020

Qt.	Order no.	Description
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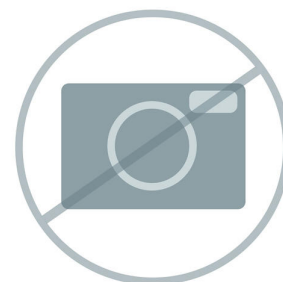
Metrohm Instant SERS Analyzer (Misa) is a high performance, portable analyzer used for rapid, trace level detection / identification of illicit materials, food additives and food contaminants. Misa features a high-efficiency spectrograph equipped with Metrohm's unique Orbital-Raster-Scan (ORS) technology. 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.



For connecting USB instruments.



Rugged carrying case for Misa and all accessories.



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

6.07505.030

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.



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.



1 PCS

6.2151.110

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

For connecting USB instruments.



Cleaning cloth for monitors and optics.



Optional accessories

Order no.	Description
6.07506.100	Silver P-SERS Substrate (Ag), 50 pieces <p>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.</p> 
6.07506.110	Silver P-SERS Substrate (Ag), 500 pieces <p>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.</p> 
6.07506.120	Silver P-SERS Substrate (Ag), 5000 pieces <p>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.</p> 
6.07506.130	Gold P-SERS Substrate (Au), 50 pieces <p>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.</p> 

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

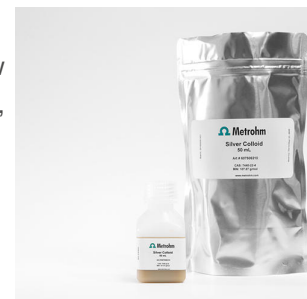
SERS active silver colloidal solution. Potential target analytes that show favorable performance with silver colloid include illicit drugs, medicines, dyes, and amines - 10 ml package.



607506310

Silver Colloid, 50 mL

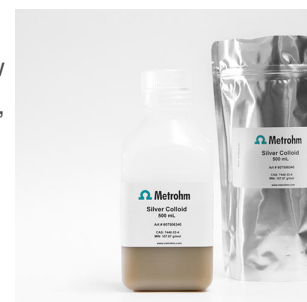
SERS active silver colloidal solution. Potential target analytes that show favorable performance with silver colloid include illicit drugs, medicines, dyes, and amines - 50 ml package.



607506340

Silver Colloid, 500 mL

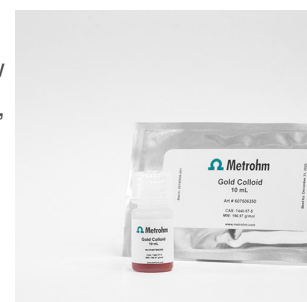
SERS active silver colloidal solution. Potential target analytes that show favorable performance with silver colloid include illicit drugs, medicines, dyes, and amines - 500 ml package.



607506350

Gold Colloid, 10 mL

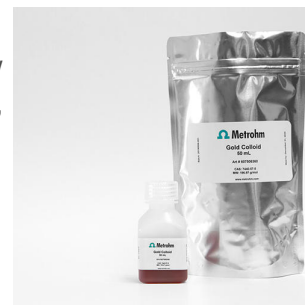
SERS active gold colloidal solution. Potential target analytes that show favorable performance with gold colloid include pesticides, medicines, and thiols - 10 mL package.



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

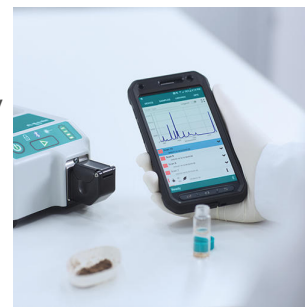
SERS spectral library of illicit materials commonly encountered by law enforcement in street samples, including heroin, cocaine, methamphetamine, MDMA and more.



6.6071.672

SERS Library - Food Additives

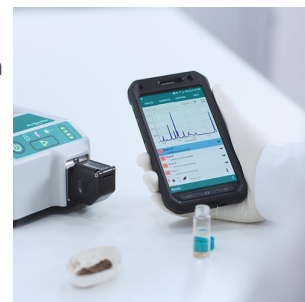
SERS spectral library of illegal additives and adulterants commonly found in food.



6.6071.674

SERS Library - Dyes

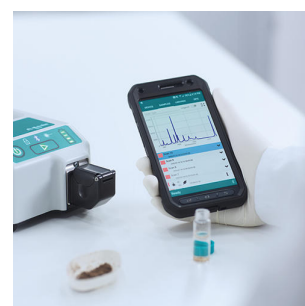
SERS spectral library of natural and artificial dyes commonly found in food.



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.

