



i-Raman Duo

29540060

The i-Raman Duo is a dual-laser Raman system that captures a wide spectral range with one spectrometer and sampling probe. It uses a 1064 nm laser to measure the fingerprint region ($100\text{--}2500\text{ cm}^{-1}$), providing accurate chemical details while reducing fluorescence interference. Additionally, an 860 nm laser covers the stretch region ($2500\text{--}4600\text{ cm}^{-1}$), allowing detection of specific Raman signals associated with moisture levels and molecular structure.

Data from both lasers are collected sequentially and seamlessly combined in SpecSuite software for streamlined analysis. This broader spectral access improves discrimination and facilitates more reliable method development, making the i-Raman Duo ideal for applications in biomedical diagnostics, petrochemicals, biofuels, and agricultural analysis.

Discover why the i-Raman Duo is the perfect tool to provide full spectrum clarity:

- Extended Raman detection range covering 100 cm^{-1} to 4600 cm^{-1}
- Reveals high wavenumber stretch bands of CC, S-H, C-H, N-H, and O-H above 2000 cm^{-1}
- Fully integrated system means one instrument provide seamless coverage of fingerprint and stretching regions.
- Flexible fiber optic probe compatible with a wide array of accessories including a vial holder, cuvette holder, immersion probe, and see-through adapter.

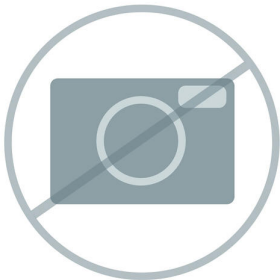
- Powerful SpecSuite software for easy Raman data collection in addition to quantitative model building, identification with spectral libraries, and routine analysis.

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 29540060

Qt.	Order no.	Description
1 PCS	607510040	Polystyrene Validation Cap
		Validation cap with integrated polystyrene standard for lab-grade Raman probes with shaft diameter of 9.5 mm.
		
1 PCS	607510050	Laser key for i-Raman NxG
		Laser keys for i-Raman NxG and i-Raman Duo systems.
		
1 PCS	607510010	Interlock Plug for i-Raman NxG
		Interlock plug for i-Raman NxG and i-Raman Duo systems.
		
1 PCS	607510000	12V 6.6A power supply for i-Raman NxG
		Power supply for i-Raman NxG and i-Raman Duo systems.



1 PCS	607510060	AC Power Cord for i-Raman Series
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AC power cord for i-Raman NxG and i-Raman Duo systems.



1 PCS	607510360	High Throughput Lab-grade Raman Probe for i-Raman Duo
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High-throughput lab-grade fiber optic Raman probe assembly with trigger button. 1.5 meter fiber length. Compatible with i-Raman Duo.



1 PCS	607510250	Laser Safety Goggles, 1064 nm wavelength
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Laser Safety Goggles, 1064 nm Wavelength.



1 PCS	607510030	USB-C to USB-C cable for i-Raman NxG
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USB-C to USB-C cable for i-Raman NxG and i-Raman Duo systems.



1 PCS	6.6079.140	SpecSuite Software License - Basic License
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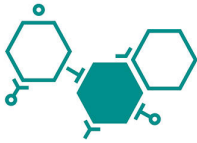
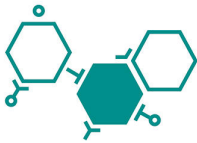
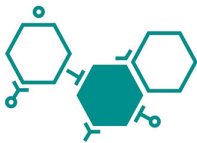
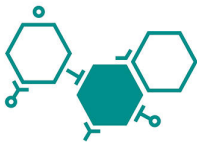
Basic License for SpecSuite software

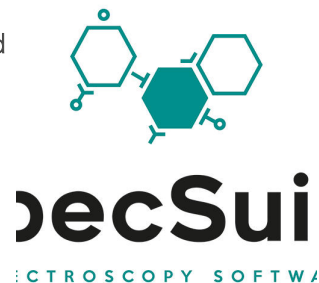


1 PCS	607510850	International Plug Adaptor
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Optional accessories

Order no.	Description	
6.6079.150	SpecSuite Software License - Laboratory Software Identification SpecSuite license for identification. Includes library management module and identification module.	 pecSui SPECTROSCOPY SOFTWARE
66079160	SpecSuite Software License - Laboratory Software Quantification SpecSuite license for quantification. Includes quantitative model development module and routine analysis prediction.	 pecSui SPECTROSCOPY SOFTWARE
66079170	SpecSuite Software License - Regulatory Compliance SpecSuite license for FDFA 21 CFR part 11 regulatory compliance.	 pecSui SPECTROSCOPY SOFTWARE
66079180	SpecSuite Comprehensive Library SpecSuite Metrohm Comprehensive RamanLibrary - More than 27,700 spectral entries of chemicals, minerals, organic chemicals, solvents, polymers, dyes and pigments, TICs, TIMs, inorganics and organometallics, personal care products, and illicit materials.	 pecSui SPECTROSCOPY SOFTWARE
66079190	SpecSuite MCRL Inorganics and Organometallics Organometallics Library	



66079200 SpecSuite MCRL Organics Complete Library

Metrohm Comprehensive Raman Library (MCRL) Organics for SpecSuite software.



66079210 SpecSuite MCRL Personal Care Products Products Library

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



66079220 SpecSuite MCRL Polymers and Polymer Additives Additives Library

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



66079230 SpecSuite MCRL Dyes, Pigments, and Stains Library

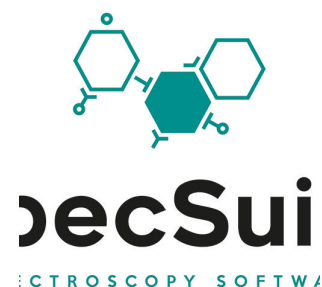
Metrohm Comprehensive Raman Library (MCRL) Dyes, Pigments, and Stains for SpecSuite software.



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SpecSuite Minerals Library

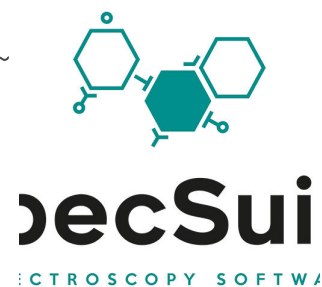
Metrohm Minerals library for SpecSuite software.



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SpecSuite Comprehensive USP Library

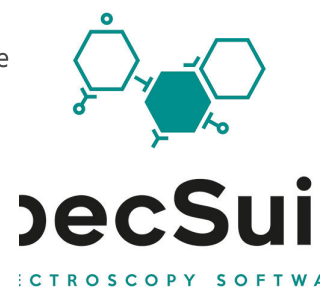
Metrohm Comprehensive USP Raman Library for SpecSuite containing ~900 traceable certified items.



66079260

SpecSuite Illicit and General Chemicals Library

Metrohm Illicit and General Chemicals Raman Library for SpecSuite software. Includes drugs, TICs, TIMs, precursors, and general chemicals.



607510410

Vial Holder Accessory

Vial holder accessory for use with lab-grade Raman probes with shaft diameter of 9.5 mm. Compatible with 15 mm-diameter vial. 6-pack of 15 mm borosilicate glass vials included.



607510420

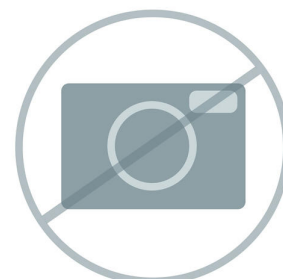
Cuvette Holder Accessory

Cuvette holder for use with lab-grade Raman probes with shaft diameter of 9.5 mm. Compatible with standard cuvettes of 12.5 mm x 12.5 mm outer diameter (1 cm path length) for sampling liquids or powders.



607510340 Standard Shaft for Lab-Grade Probe (1064 nm)

Replacement shaft for 1064 nm excitation lab-grade Raman probe assembly. Working distance 5.9 mm.



607511010 Stainless Steel Immersion Shaft for Lab-grade Raman Probe

316 Stainless steel immersion shaft compatible with lab-grade Raman probes. Includes adjustable shaft adapter. Compatible with 532, 785, 860 and 1064 nm wavelengths.



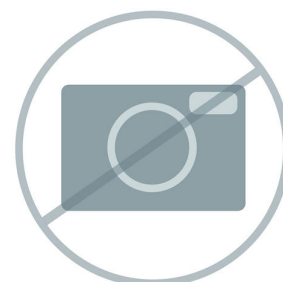
607510240 Hastelloy Immersion Shaft for Lab-grade Raman Probe

C-276 Hastelloy immersion shaft compatible with lab-grade Raman probes. Includes adjustable shaft adapter. Compatible with 532, 785, 860 and 1064 nm wavelengths.



607510430 Distance Regulator Cap

Distance regulator cap for standard lab-grade Raman probe shaft.



6.07510.370 High Throughput Lab-grade Raman Probe for i-Raman Duo, 1.5 m

High-throughput lab-grade fiber optic Raman probe assembly with trigger button. 1.5 meter fiber length. Compatible with i-Raman Duo.



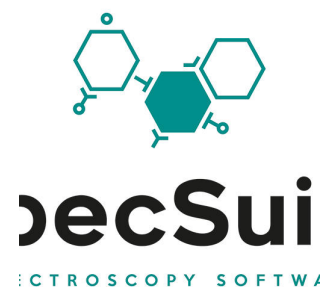
66079280 SpecSuite CWA Library

Chemical warfare agents (CWA) library for SpecSuite software.



66079270 SpecSuite Explosives Library

Explosives library for SpecSuite software.



607511300 Carrying case for i-Raman NxG and i-Raman Plus

Carrying case for i-Raman NxG and i-Raman Plus. The case fits one i-Raman NxG or i-Raman Plus system, a fiber-optic probe, USB and power cables, laser goggles, and laser interlock and keys.

System and accessories are not included. Case dimensions are 22 in x 17.1 in x 10.75 in.



BWT-840000117 Raman Flow Cell (BAC160-SS)

Raman flow-through cell made of stainless steel, for inline Raman measurements of liquid samples by interfacing with standard laboratory probe (9.5 mm diameter; probe is not included in scope of delivery).



BWT-840000295 Vials for liquids, 15 mm in diameter

Borosilicate glass vials (diameter 15 mm), package of 6, with pouch.



BWT-840000332 Tablet Holder

Tablet holder compatible with all models of BAC100/BAC102 lab-grade fiber-optic Raman probe with 9.5 mm shaft diameter.



BW840000463 BAC151x probe adapter

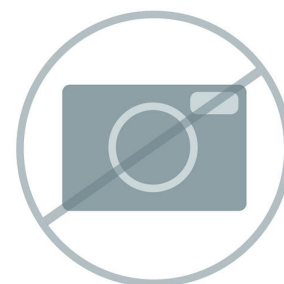
BAC151x Probe Adaptor to connect B&W Tek Lab grade Raman probes to BAC151x Video microscope sampling system. Remove the standard shaft and distance regulator, to use the adaptor and connect the probe head to the video microscope. 3 adaptors per pack.



BWT-840001120 Light shield accessory for STRam

Light shield accessory for STRam.

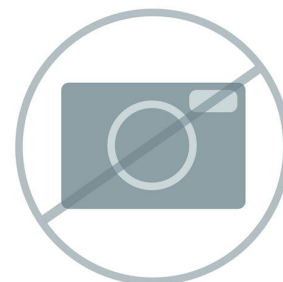
RST-LS



BWT-840001121 Focus adaptor

STRam-1064 nm focus adaptor.

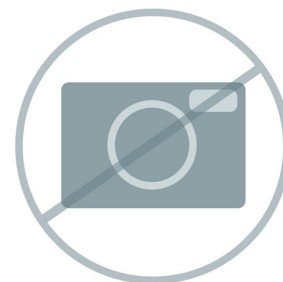
RST-FA-1064



BWT-840001122 Surface regulator for ST probe

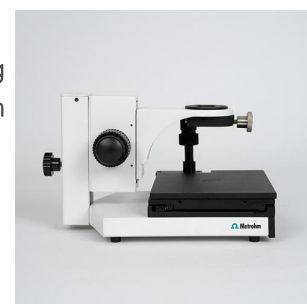
Surface regulator for ST probe.

RST-SR



607510400 Universal Raman Probe Holder

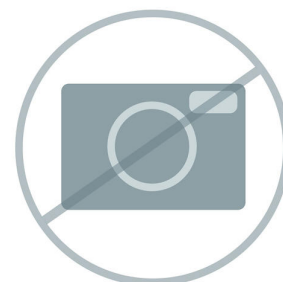
Probe holder for use with Metrohm's lab-grade Raman probes, including lab-grade shafts, industrial-grade immersion shafts, and see-through shafts. Provides manual coarse and fine XYZ adjustments.



607511270 Laser Enclosure for i-Raman NxG

Enclosure for i-Raman sampling accessories, including microsampling system and probe holder. The enclosure eliminates direct ocular and/or skin exposure to the laser emission, making the otherwise class 3B i-Raman series laser as safe as a class 1 laser. The enclosure is ergonomically designed to facilitate sample loading and system operation.

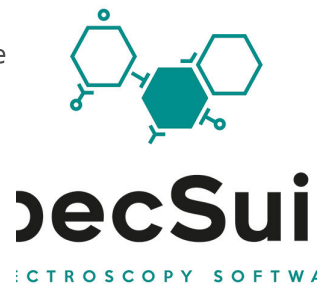
Compatible with i-Raman NxG, i-Raman Duo, and i-Raman Plus products.



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SpecSuite MCRL API Library

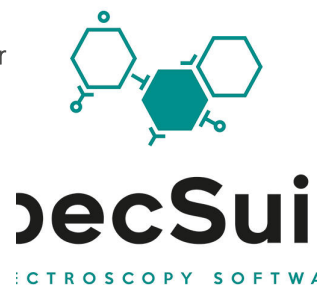
Metrohm Comprehensive Raman Library (MCRL) API (Active Pharmaceutical Ingredients) for SpecSuite software.



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SpecSuite MCRL Biochemicals Library

Metrohm Comprehensive Raman Library (MCRL) Biochemicals Library for SpecSuite software.



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SpecSuite MCRL Pesticides Library

Metrohm Comprehensive Raman Library (MCRL) Pesticides for SpecSuite.

