



i-Raman Plus 785HR

29550020

The i-Raman Plus 785HR is a high-performance Raman spectrometer that offers the highest resolution in a compact, portable design. Equipped with a 785 nm laser and a high-quantum-efficiency CCD array detector with TE cooling, it provides low-noise performance even during extended integration times - making it ideal for detecting weak Raman signals.

The system supports flexible sampling options using a fiber optic probe and accessories like a cuvette holder, video microscope, and XYZ stage. Powered by SpecSuite software, the i-Raman Plus 785HR enables both qualitative and quantitative analysis in research and routine workflows.

The i-Raman Plus 785HR is the trusted choice for users seeking high-resolution Raman analysis across a wide spectral range, whether for advanced research or precise quality control measurements in diverse industries.

Discover how the i-Raman Plus delivers research-grade Raman in an accessible package:

- Wide spectral coverage and high-resolution spectrometer configurations.
- The system's small footprint, lightweight design, and low power consumption ensure research-grade Raman analysis capabilities at any location.
- The i-Raman Plus is equipped with a fiber probe for easy sampling, and can be used with a cuvette holder, a video microscope, an XYZ positioning stage with a probe holder.

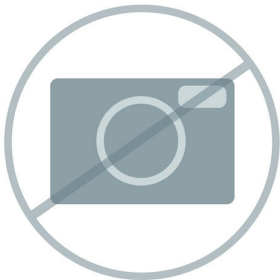
- The i-Raman Plus is supported by SpecSuite software for easy Raman data collection in addition to quantitative model building, identification with spectral libraries, and routine analysis.

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 29550020

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

AC power cord for i-Raman NxG and i-Raman Duo systems.



1 PCS 607510030 USB-C to USB-C cable for i-Raman NxG

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



1 PCS 607510850 International Plug Adaptor



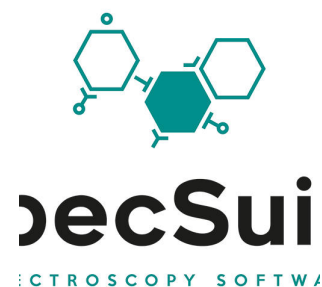
1 PCS 607510130 Laser Safety Goggles, 785 nm wavelength

Laser Safety Goggles, 785 nm Wavelength.



1 PCS 6.6079.140 SpecSuite Software License - Basic License

Basic License for SpecSuite software



1 PCS 607510450 Lab-Grade Raman Probe (785 nm)

Lab-grade fiber optic Raman probe assembly with trigger button. 1.5 meter fiber length. Compatible with i-Raman Plus 785S and 785HR models.



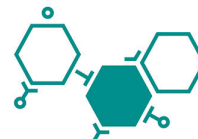
Optional accessories

Order no.	Description	
6.6079.150	SpecSuite Software License - Laboratory Software Identification SpecSuite license for identification. Includes library management module and identification module.	
66079160	SpecSuite Software License - Laboratory Software Quantification SpecSuite license for quantification. Includes quantitative model development module and routine analysis prediction.	
66079170	SpecSuite Software License - Regulatory Compliance SpecSuite license for FDFA 21 CFR part 11 regulatory compliance.	
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.	

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SpecSuite MCRL Inorganics and Organometallics Organometallics Library

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

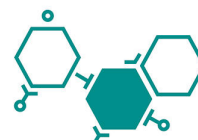


SpecSui
SPECTROSCOPY SOFTWARE

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SpecSuite MCRL Organics Complete Library

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

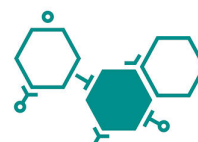


SpecSui
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SpecSuite MCRL Personal Care Products Products Library

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

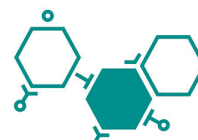


SpecSui
SPECTROSCOPY SOFTWARE

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SpecSuite MCRL Polymers and Polymer Additives Additives Library

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

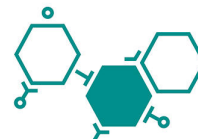


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SPECTROSCOPY SOFTWARE

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SpecSuite MCRL Dyes, Pigments, and Stains Library

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

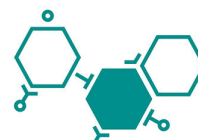


SpecSui
SPECTROSCOPY SOFTWARE

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SpecSuite Minerals Library

Metrohm Minerals library for SpecSuite software.

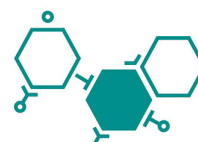


SpecSui
SPECTROSCOPY SOFTWARE

66079250

SpecSuite Comprehensive USP Library

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

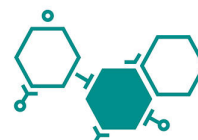


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66079260

SpecSuite Illicit and General Chemicals Library

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



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66079270

SpecSuite Explosives Library

Explosives library for SpecSuite software.



66079280

SpecSuite CWA Library

Chemical warfare agents (CWA) library for SpecSuite software.



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

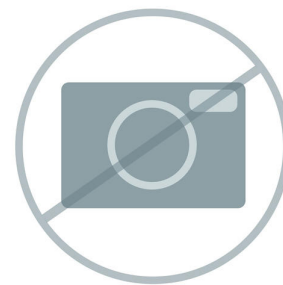
Cuvette holder for use with lab-grade Raman probes with shaft diameter of 9.5 mm. Compatible with standard cuvettes of 12.5 mm x 12.5 mm outer diameter (1 cm path length) for sampling liquids or powders.



607510430

Distance Regulator Cap

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



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

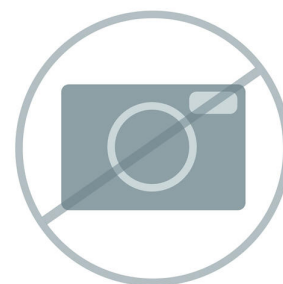
C-276 Hastelloy immersion shaft compatible with lab-grade Raman probes. Includes adjustable shaft adapter. Compatible with 532, 785, 860 and 1064 nm wavelengths.



607510220

Standard Shaft for Lab-Grade Probe (785 nm)

Replacement shaft for 785 nm excitation lab-grade Raman probe assembly. Working distance 5.5 mm.



607510460

Lab-Grade Raman Probe (785 nm), 5 m

Lab-grade fiber optic Raman probe assembly with trigger button. 5 meter fiber length. Compatible with i-Raman Plus 785S and 785HR models.



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.

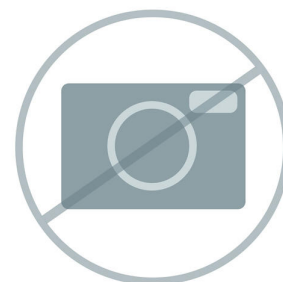


607511270

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.



BWT-810000623 Microscope head tripod adaptor

BAC151x-TRI tripod adapter for the BAC151x sampling system with Raman video microscope.



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).

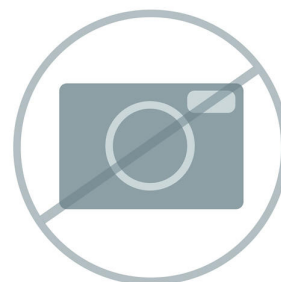


Borosilicate glass vials (diameter 15 mm), package of 6, with pouch.



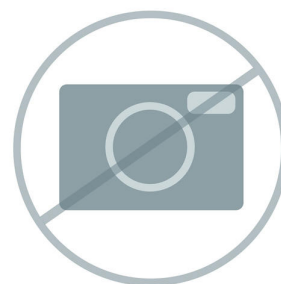
Microscope objective, infinity-corrected, 10x, working distance (mm) = 16, focal length (mm) = 20, numerical aperture (NA) = 0.3.

RML110A



Microscope objective, infinity-corrected, 20x, working distance (mm) = 12, focal length (mm) = 10, numerical aperture (NA) = 0.4.

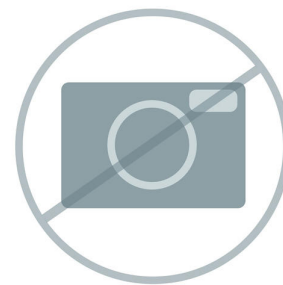
RML120A



BWT-840000325 Video Microscope Objective, 50x (RML150A)

Microscope objective, infinity-corrected, 50x, working distance (mm) = 9.15, focal length (mm) = 4, numerical aperture (NA) = 0.55.

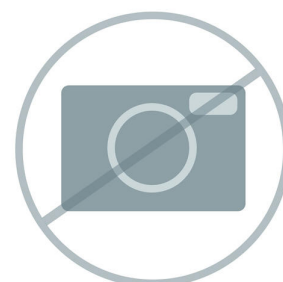
RML150A



BWT-840000328 Video Microscope Objective, 100x

Microscope objective, infinity-corrected, 100x, working distance (mm) = 3.2, numerical aperture (NA) = 0.8, Focal length (mm) = 2.

RML1100A



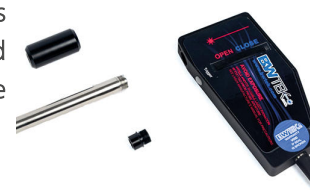
BWT-840000332 Tablet Holder

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-840000679 Raman Zoom Lens (20-60 mm)

Zoom lens for our BAC100/BAC102 fiber-optic Raman probes. Working distance is adjustable from 20 mm to 60 mm. Suitable for a Raman excitation range from 500 nm to 850 nm.



BWT-840000711 Raman Zoom Lens (20-60 mm)

Zoom lens for our BAC100/BAC102 fiber-optic Raman probes. Working distance is adjustable from 20 mm to 60 mm. Suitable for a Raman excitation range from 785 nm to 1064 nm.



BWT-840000680 Raman Zoom Lens (60-600 mm)

Long-working-distance zoom lens for BAC100/BAC102 fiber-optic Raman probes. Working distance is adjustable from 60 mm to 600 mm. Suitable for a Raman excitation range from 500 nm to 850 nm.



BWT-840000681 Raman Stand-off Lens (0.6-6 m)

A telescope Stand-off lens for BAC100/BAC102 fiber-optic Raman probes. Wide zoom range for sample measurement ranges from 0.6 meters to 6 meters. Suitable for a Raman excitation range from 500 nm to 850 nm.

RTS202-VIS-NIR



BWT-840000961 Raman Video Micro-Sampling System (785 nm)

Video microscope sampling system for use with B&W Tek's lab and industrial Raman probes. Includes a 20x objective at a working distance of 16 mm. Offers manual rough and fine adjustment on the X, Y, and Z-axes, coaxial LED illuminator for target alignment, video camera for sample observation, and is compatible with standard microscope objectives. Probe not included, available separately. 785 nm configuration.

BAC151C-785



BWT-840000963 Raman Video Micro-Sampling System (532/785 nm dual)

Video microscope sampling system for use with B&W Tek's lab and industrial Raman probes. Includes a 20x objective at a working distance of 16 mm. Offers manual rough and fine adjustment on the X, Y and Z-axes, coaxial LED illuminator for target alignment, video camera for sample observation, and is compatible with standard microscope objectives. Probe not included, available separately. Dual 532/785 nm configuration.

BAC151C-532/785



BWT-840000964 Raman Video Micro-Sampling Head (785 nm)

Video microscope sampling system head for use with B&W Tek's lab and industrial Raman probes. With coaxial LED illuminator for target alignment and video camera for sample observation. Compatible with standard microscope objectives. Probe not included, available separately. Objective lens not included, available separately. 785 nm configuration.



607506480 SERS Discovery Kit

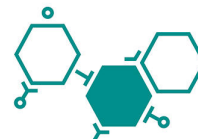
Introductory kit for SERS analysis containing gold and silver P-SERS strips and gold and silver colloids.



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SpecSuite MCRL API Library

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

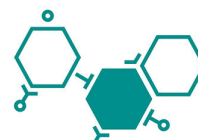


SpecSui
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SpecSuite MCRL Biochemicals Library

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

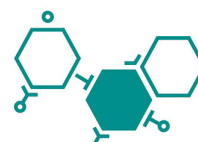


SpecSui
SPECTROSCOPY SOFTWARE

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SpecSuite MCRL Pesticides Library

Metrohm Comprehensive Raman Library (MCRL) Pesticides for SpecSuite.



SpecSui
SPECTROSCOPY SOFTWARE
