



i-Raman NxG 785S

2.954.0040

The i-Raman NxG 785S is ideal for analysts needing detailed spectral data on complex materials. Designed for accuracy, it provides high spectral resolution over a wide Raman spectral range from 100–3350 cm^{-1} .

Whether you're working in pharmaceuticals, polymers, or advanced materials, the 785S provides the clarity and versatility needed to elevate your QC measurements with greater precision. Its enhanced resolution allows you to easily detect subtle spectral features with confidence and improve library matching for more accurate identification.

The i-Raman 785S is the trusted choice for users needing high-resolution Raman analysis over a broad spectral range, whether for advanced research or precise quality control in various industries.

Discover why the i-Raman NxG is the perfect way to implement Raman into quality control measurements:

- High-sensitivity spectrometers deliver results in seconds and can detect the faintest Raman signals
- Flexible fiber optic probe compatible with a wide array of accessories including a vial holder, cuvette holder, immersion probe, and see-through adapter

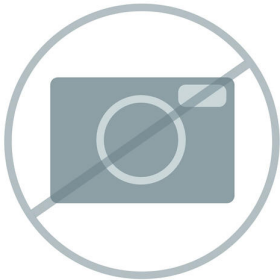
- Powerful SpecSuite software for easy Raman data collection in addition to quantitative model building, identification with spectral libraries, and routine analysis
- Compact and stackable to save on valuable bench space.

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 2.954.0040

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

607510140

High Throughput Lab-grade Raman Probe (785 nm)

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

Compatible with i-Raman NxG 785S and 785H models.



1 PCS

607510130

Laser Safety Goggles, 785 nm wavelength

Laser Safety Goggles, 785 nm Wavelength.



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.

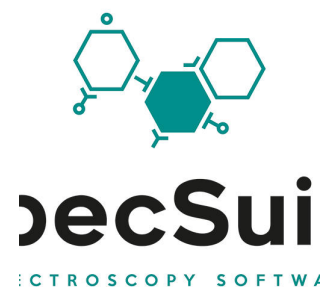


1 PCS

6.6079.140

SpecSuite Software License - Basic License

Basic License for SpecSuite software



1 PCS

607510850

International Plug Adaptor



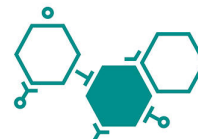
Optional accessories

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

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

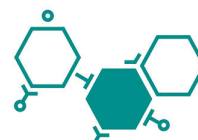


SpecSui
SPECTROSCOPY SOFTWARE

66079200

SpecSuite MCRL Organics Complete Library

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

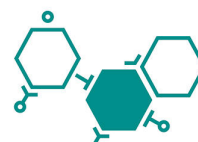


SpecSui
SPECTROSCOPY SOFTWARE

66079210

SpecSuite MCRL Personal Care Products Products Library

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

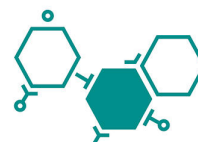


SpecSui
SPECTROSCOPY SOFTWARE

66079220

SpecSuite MCRL Polymers and Polymer Additives Additives Library

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

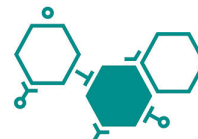


SpecSui
SPECTROSCOPY SOFTWARE

66079230

SpecSuite MCRL Dyes, Pigments, and Stains Library

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

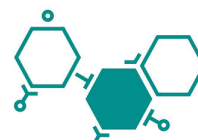


SpecSui
SPECTROSCOPY SOFTWARE

66079240

SpecSuite Minerals Library

Metrohm Minerals library for SpecSuite software.

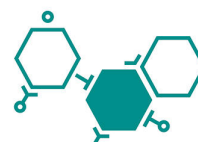


SpecSui
SPECTROSCOPY SOFTWARE

66079250

SpecSuite Comprehensive USP Library

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

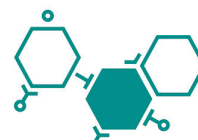


SpecSui
SPECTROSCOPY SOFTWARE

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.



SpecSui
SPECTROSCOPY 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.



607510150

High Throughput Lab-grade Raman Probe (785 nm), 5m

High-throughput lab-grade fiber optic Raman probe assembly with trigger button. 5 meter fiber length.

Compatible with i-Raman NxG 785S and 785H models.



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)

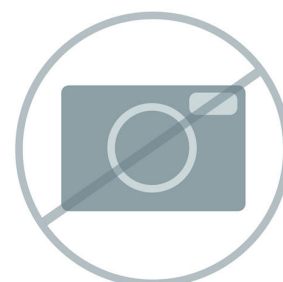
Replacement shaft for 785 nm excitation lab-grade Raman probe assembly. Working distance 5.5 mm.



607510430

Distance Regulator Cap

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

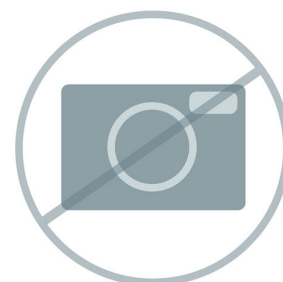


607510230

See-Through Shaft (785 nm)

See-through shaft for use with lab-grade Raman probes. Optimized for 785 nm laser.

Contains focus adapter, surface regulator, and light shield.

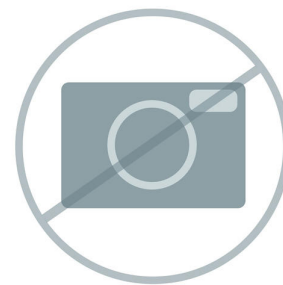


607510180

See-Through Raman probe (785 nm)

See-through probe for measurements through packaging. 1.5 meter fiber length. Includes focus adapter, surface regulator, and light shield.

Compatible with i-Raman NxG 785S and 785H models.

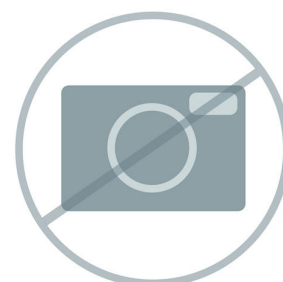


607510190

See-Through Raman probe (785 nm), 5 m

See-through probe for measurements through packaging. 5-meter fiber length. Includes focus adapter, surface regulator, and light shield.

Compatible with i-Raman NxG 785S and 785H models.



66079280

SpecSuite CWA Library

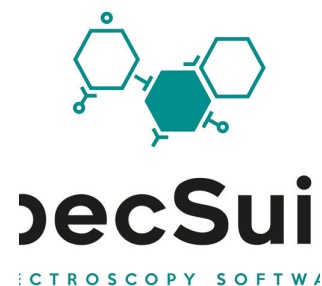
Chemical warfare agents (CWA) library for SpecSuite software.



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-810000623 Microscope head tripod adaptor

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



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

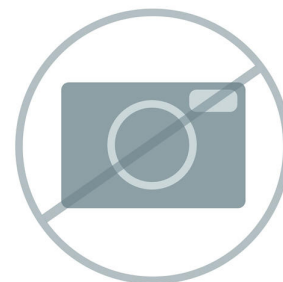
Borosilicate glass vials (diameter 15 mm), package of 6, with pouch.



BWT-840000322 Video Microscope Objective, 10x

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

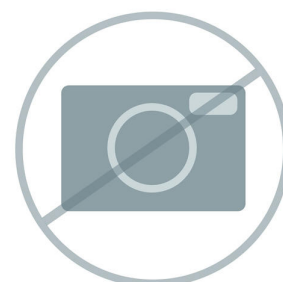
RML110A



BWT-840000323 Video Microscope Objective, 20x (RML120A)

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

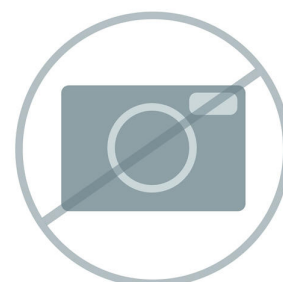
RML120A



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.

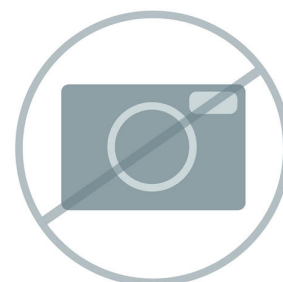
RML150A



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



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-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-840000712 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 1000 nm to 1100 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.



BWT-840000966 Raman Video Micro-Sampling Head (532/785 nm dual)

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. Dual 532/785 nm configuration.



BWT-840000934 Polystyrene Reference for QTRam

Polystyrene reference for QTRam.

QTR-PCC



BWT-840000940 QTRam Optics and Sample Holder Set – 2 mm

Set of 2 mm excitation aperture, collection aperture, large round sample holder and large square sample holder for QT-Sampler.



BWT-840000941 QTRam Optics and Sample Holder Set – 4 mm

Set of 4 mm excitation aperture, collection aperture, large round sample holder and large square sample holder for QT-Sampler.



BWT-840000942 QTRam Optics and Sample Holder Set – 6 mm

Set of 6 mm excitation aperture, collection aperture, large round sample holder and large square sample holder for QT-Sampler.



BWT-840000943 QTRam Optics and Sample Holder Set – 8 mm

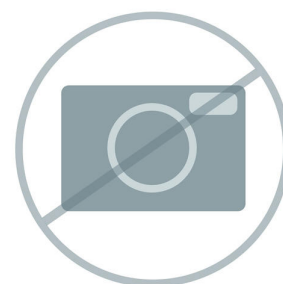
Set of 8 mm excitation aperture, collection aperture, large round sample holder and large square sample holder for QT-Sampler.



BWT-840001177 Aperture Removal Tool

Aperture removal tool for easy interchanging different apertures for optimal Raman spot size for transmission Raman with QT-Sampler.

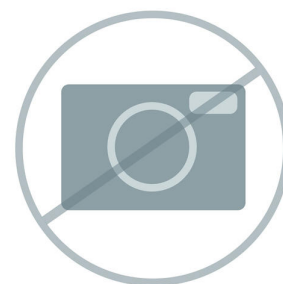
TOOL-APERTURE



BWT-840001119 Focus adaptor

STRam 785 nm focus adaptor.

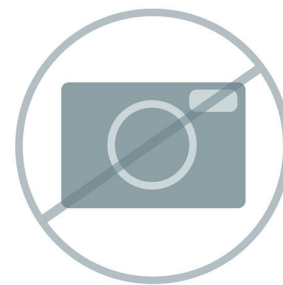
RST-FA-785



BWT-840001120 Light shield accessory for STRam

Light shield accessory for STRam.

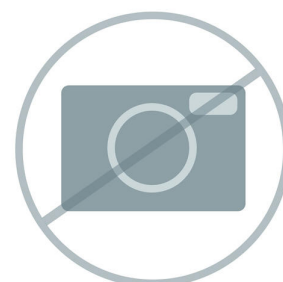
RST-LS



BWT-840001122 Surface regulator for ST probe

Surface regulator for ST probe.

RST-SR



BWT-840001283 QT-Sampler

The QT-Sampler is an accessory for transmission Raman measurements, enabling content uniformity testing of pharmaceutical tablets. Compatible with i-Raman Prime 785S and H models. Apertures and sample holders are sold separately.



607506480 SERS Discovery Kit

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

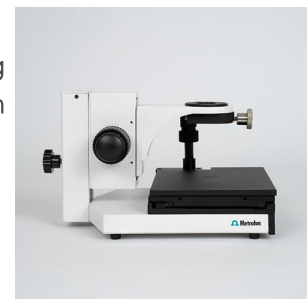


Tablet holder compatible with all models of BAC100/BAC102 lab-grade fiber-optic Raman probe with 9.5 mm shaft diameter.



607510400 Universal Raman Probe Holder

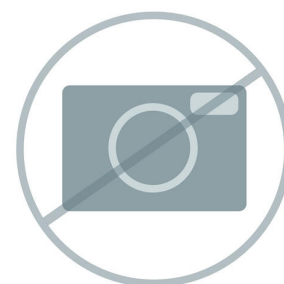
Probe holder for use with Metrohm's lab-grade Raman probes, including lab-grade shafts, industrial-grade immersion shafts, and see-through shafts. Provides manual coarse and fine XYZ adjustments.



607511270 Laser Enclosure for i-Raman NxG

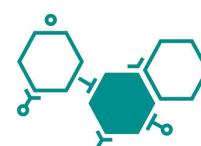
Enclosure for i-Raman sampling accessories, including microsampling system and probe holder. The enclosure eliminates direct ocular and/or skin exposure to the laser emission, making the otherwise class 3B i-Raman series laser as safe as a class 1 laser. The enclosure is ergonomically designed to facilitate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

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



66079540 SpecSuite MCRL API Library

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

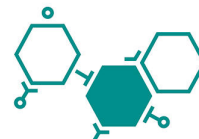


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SpecSuite MCRL Biochemicals Library

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

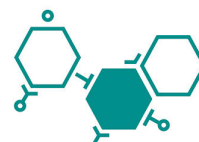


SpecSui
SPECTROSCOPY SOFTWARE

66079560

SpecSuite MCRL Pesticides Library

Metrohm Comprehensive Raman Library (MCRL) Pesticides for SpecSuite.



SpecSui
SPECTROSCOPY SOFTWARE

607511600

Polystyrene Cap for See-Through Probe

Validation cap for see-through probe with built-in ASTM standard polystyrene.

