









Accessories for BWT-840000893

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 BWT-840000893

Qty.	Order no.	Description	
1 pcs	BWT-81000044	BWSpec Software	 <p>BWSpec® is B&W Tek's general spectroscopy software for instrument control and data acquisition, including real-time peak analysis and trending. BWSpec is the operating software included with the purchase of all B&W Tek portable Raman systems and spectrometer products. It is designed with features for broad range applications, performing complex measurements and calculations at the click of a button. It supports multiple data formats and provides the option to optimize measurement parameters, such as integration time and laser output power control. In addition to data acquisition and data processing, it also offers automatic dark removal, spectral smoothing, baseline correction, as well as peak monitoring and trending.</p>
1 pcs	BWT-810000589	BWIQ: Multivariate Analysis Software	 <p>BWIQ® is a comprehensive software package for multivariate analysis of spectral data, including explorative, qualitative analyses and quantitative regression methods. BWIQ supports the classical chemometric methods of classification and regression, including among them Partial-Least-Squares-Regression (PLS), principal component analysis (PCA) and discriminant analysis with Support-Vector-Machine-Algorithms (SVM) for non-linear data sets. It features an intuitive workflow from data import to evaluation, with extensive graphics to support model analysis and interpretation. BWIQ includes preprocessing tools for optimal analysis of Raman, NIR, LIBS and other spectroscopic data sets. The BWIQ chemometrics model is used with QTRam®. It is the ideal chemometrics package for online use with the instruments of the i-Raman® series for real-time evaluation and analysis of high-resolution spectroscopy data.</p>
1 pcs	BWT-810000721	Carrying Case for i-Raman Pro/Prime Series	 <p>Carrying Case for i-Raman Pro and Prime series. Includes a soft, black carrying case with wheels and custom-cut foam for packing and safely carrying the i-Raman Pro, i-Raman Prime, STRam, or QTRam.</p>
1 pcs	BWT-840000101	Laser safety goggles (785 nm)	 <p>Laser safety goggles for 785 nm lasers – suitable only for Class IIIB laser systems from B&W Tek.</p>

1 pcs	BWT-84000296	Stylus/pen	
		Stylus/pen combo for touch screens.	
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1 pcs	BWT-84000941	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.	
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1 pcs	BWT-84000942	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.	
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1 pcs	BWT-84000956	BWAnalyst Software	
		BWAnalyst® is a special software for quantitative Raman analysis with the QTRam. The 21CFR part 11 with its touch screen-sensitive software is equipped with a logical work sequence for data capture, method generation, routine analysis, and reporting. As soon as the method is developed and validated, the user can quickly carry out quantitative predictions and obtains clear results in seconds, which are then stored in a secure database. The software includes configurable reports with electronic signatures and a complete Audit Trail.	
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1 pcs	BWT-840001153	QT-Sampler carrying case	
		Lightweight black polycarbonate carrying case for QT-Sampler module. Watertight, crushproof, and dustproof with cube foam fitting.	

Optional accessories

Order no.	Description	
BWT-810000468	Connection cleaner	
	Cleaner for SMA905 and FC/PC connections.	
BWT-810000469	Cleaner for ferrule end surfaces	
	Cleaner for FC/PC and FC/APC plugs.	
BWT-810000682	External rechargeable battery pack for portable Raman instruments	
	External Lithium-Ion battery that provides constant 12 VDC. (Compatible with the i-Raman-Plus, i-Raman Pro and i-Raman EX models).	
BWT-810000879	Software Development Kit for Instrument Control	
	Software Development Kit for Windows operating systems supports all USB spectrometers and Cleanlaze lasers made by B&W Tek. Includes product manual, DLL drivers and sample code for LabView®, Visual C++, C++ Builder, C#, Visual Basic, VBA and VB.NET.	
BWT-840000126	BWID Standard Raman ID Software	
	Data acquisition, material identification and reporting software for B&W Tek portable Raman spectrometers to rapidly identify or verify materials based on user-built libraries, proprietary B&W Tek and third-party libraries. Includes system performance tests. One user license provided. Free upgrades included within one year of purchase date.	
BWT-840000127	BWID Pharma Raman ID Software	
	Data acquisition and material identification software for B&W Tek portable Raman spectrometers to rapidly identify or verify materials based on user-built libraries, proprietary B&W Tek and third-party libraries. Meets all the requirements of FDA 21 CFR Part 11, including system access security, audit trail of data activities, and system performance tests. One user license provided. Free upgrades included within one year of purchase date.	

BWT-840000164 Complete Raman Library (portables)

Raman Spectral Library: Complete Collection (without minerals and precious stones) for use with BWID software; 15,930 spectra.



BWT-840000165 Raman Polymers Library

Raman Spectral Library of Polymers and Polymer Additives (portables) for use with BWID software; 3,412 spectra.



BWT-840000166 Raman Spectral Library for the Food Industry

Raman Spectral Library of Food Additives and Packaging (portables) for use with BWID software; 2,451 spectra.



BWT-840000167 Raman Solvents Library

Raman Spectral Library of Solvents (portables) for use with BWID software; 1,003 spectra.



BWT-840000168 Raman Biochemicals Library

Raman Spectral Library of Biochemicals (portables) for use with BWID software; 4,359 spectra.



BWT-840000169 Raman Aldehydes and Ketones Library

Raman Aldehydes and Ketones Library (portables) for use with BWID software; 2,106 spectra.



BWT-840000170 Raman Alcohols and Phenols Library

Raman Alcohols and Phenols Spectral Library (portable instruments) for use in the BWID software; 1,661 Spectra.



BWT-840000171 Raman Esters, Lactones, and Anhydrides Spectral Library

Raman Esters, Lactones, and Anhydrides Spectral Library (portable instruments) for use in the BWID software; 3,776 Spectra.



BWT-840000172 Raman Hydrocarbons Spectral Library

Raman Hydrocarbons Spectral Library (portable instruments) for use in the BWID software; 576 Spectra.



BWT-840000173 Raman Flavors, Fragrances and Cosmetic Ingredients Spectral Library

Raman Flavors, Fragrances and Cosmetic Ingredients Spectral Library (portable instruments) for use in the BWID software; 2,336 Spectra.



BWT-840000174 Raman Pesticides Spectral Library

Raman Pesticides Spectral Library (portable instruments): for use in the BWID software; 1,685 Spectra.



BWT-840000175 Raman Semiconductor Chemicals Spectral Library

Raman Semiconductor Chemicals Spectral Library (portable instruments): for use in the BWID software; 921 Spectra.



BWT-840000177 Raman Dyes, Pigments and Stains Spectral Library

Raman Dyes, Pigments and Stains Spectral Library (portable instruments) for use in the BWID software; 1,364 Spectra.



BWT-840000178 Raman Sulfur and Phosphorous Chemicals Library

Raman Sulfur and Phosphorous Chemicals Spectral Library (portable instruments) for use in the BWID software; 2,116 Spectra.



BWT-840000179 Raman Hazardous Chemicals Spectral Library

Raman Hazardous Chemicals Spectral Library (portable instruments) for use in the BWID software; 4,043 Spectra.



BWT-840000180 Raman Toxic Chemicals Spectral Library

Raman Toxic Chemicals Spectral Library (portable instruments) for use in the BWID software; 1,932 Spectra.



BWT-840000181 Raman Pharmaceuticals, Drugs and Antibiotics Library

Raman Pharmaceuticals, Drugs and Antibiotics Spectral Library (portable instruments) for use in the BWID software; 2,902 Spectra.



BWT-840000182 Raman High-Production Volume Chemical Spectral Library

Raman High Production Volume (HPV) Chemicals Spectral Library (portable instruments) for use in the BWID software; 1,293 Spectra.



BWT-840000183 Raman Excipients Spectral Library

Raman Excipients (all from 60020) Spectral Library (portable instruments): for use in the BWID software; 826 Spectra.



BWT-840000361 Handheld Laser Power Meter

Laser Power Meter, Pen Type, Calibrated. Range: 5 micro-Watts to 1 Watt. Used in OQ/PQ and annual certification laser power measurement.



BWT-840000395 Raman Probe Holder

Probe holder for use with B&W Tek's lab-grade Raman probes. Provides manual coarse and fine XYZ adjustments.



BWT-840000531 Raman Organometallics & Silicon Spectral Library

Raman Organometallics & Silicon Spectral Library (portable instruments) for use in the BWID software; 981 Spectra.



BWT-840000532 Raman White Powders Spectral Library

Raman White Powders Spectral Library (portable instruments) for use in the BWID software; 305 Spectra.



BWT-840000533 Raman Coatings Spectral Library

Raman Coatings Spectral Library (portable instruments): for use in the BWID software; 652 Spectra.



BWT-840000534 Raman Paints Spectral Library

Raman Paints Spectral Library (portable instruments): for use in the BWID software; 1077 Spectra.



BWT-840000535 Raman Environmental Pollutants Spectral Library

Raman Environmental Pollutants Spectral Library (portable instruments): for use in the BWID software; 361 Spectra.



BWT-840000536 Raman Essential Oils Spectral Library

Raman Essential Oils Spectral Library (portable instruments) for use in the BWID software; 401 Spectra.



BWT-840000537 Raman Spectral Library of Minerals

Raman Minerals Spectral Library (portable instruments): for use in the BWID software; 459 Spectra.



BWT-840000538 Raman Inorganic Spectral Library

Raman Inorganic Spectral Library (portable instruments): for use in the BWID software; 1,432 Spectra.



BWT-840000591 Raman Chemicals Spectral Library

Raman Chemicals Spectral Library for portable Raman instruments, with around 1,150 spectra of common chemicals, narcotics, explosives, solvents and plastics. Supported in BWID Version 2.02 and higher.



BWT-84000609 Enclosure for Raman sampling system

Enclosure for Raman sampling system (i.e. microscope, probe holder) used to eliminate direct ocular and/or skin exposure from the laser emission. The enclosure is ergonomically designed to facilitate sample loading and system operation. For use with 532, 785 and 1064 nm wavelengths.



BWT-84000843 Raman Gemstone Spectral Library

Raman Gemstone Spectral Library for BWID and portable Raman instruments with > 450 spectra from Gem Expert and from Japan Germany Gemmological Laboratory. Library supported in BWID Version 2.02 or higher.



BWT-84000847 Raman Explosives Spectral Library

Raman Explosives Spectral Library for portable Raman instruments including more than 180 spectra. Supported in BWID Version 2.02 and higher.

Note: This item may be subject to Export control to some territories.



BWT-84000848 Raman Chemicals and Narcotics Spectral Library

Raman Chemicals Spectral Library for portable Raman instruments, with more than 1,100 spectra of common and toxic chemicals, narcotics, solvents and plastics. Supported in BWID Version 2.02 and higher.



BWT-84000849 All-Inclusive Raman Library Bundle

All-Inclusive Raman Library Bundle for portable Raman instruments (includes all Raman Spectra); 16,989 Spectra for use in the BWID software.



BWT-84000850 Raman Petrochemicals Spectral Library

Raman Petrochemicals Spectral Library for use in the BWID software; 749 Spectra.



BWT-840000905 High-Throughput Industrial Raman Probe (785 nm)

High-throughput industrial Raman immersion probe with 316 stainless steel shaft (0.5" outer diameter x 8" length) and epoxied sapphire objective. Excitation at 785 nm. Raman cut-off at 150 cm^{-1} . Laser fiber 105 μm core FC/PC connector. Raman fiber 300 μm core FC/PC connector. fiber cable, length 1.5 m.



BWT-840000908 High-Throughput Raman Trigger Probe (785 nm)

High Throughput lab-grade fiberoptic Raman probe assembly with hand trigger 105 μm diameter 0.22NA fiber for 785 nm excitation 300 μm diameter 0.22NA for Raman pickup, optical density >6; down to 150 cm^{-1} ; 1.5 m fiber length terminated in FC/PC on the spectrometer end and FC/PC on the laser end. Adhesive sealed quartz window for non-contact sampling. 5.5 mm working distance. Not for immersive use. This probe is compatible with the i-Raman Prime and STRam Family.



BWT-840000910 STRam Probe

Lab-grade Raman fiber-optic probe module for analyses through packaging, with hand trigger, 105 μm diameter, 0.22 NA fiber for 785 nm excitation, 300 μm diameter, 0.22 NA for Raman pickup, optical density >6; up to 150 cm^{-1} . 1.5 m fiber cable with FC/PC connector on the spectrometer end and FC/PC connector on the laser end. Adhesive sealed quartz window. Not for immersive use. Accessories included: Focus adapter, surface regulator, calibration cap.



BWT-840000934 Polystyrene Reference for QTRam

Polystyrene reference for QTRam.



BWT-840000935 Polystyrene Reference for STRam

STRam probe polystyrene reference.



BWT-840000936 Polystyrene reference for QTRam

Polystyrene reference for QTRam



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-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-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.



BWT-840001085 High-Throughput Raman Trigger Probe (785 nm) with 5m fiber length

Modul mit faseroptischer Raman-Sonde in Laborqualität für hohen Durchsatz inkl. Handauslöser, 105 µm Durchmesser, 0,22 NA Faseroptik für Anregung bei 785 nm, 300 µm Durchmesser, 0,22 NA für Raman-Aufnahme, optische Dichte > 6, bis zu 150 cm⁻¹. 5,0 m langes Glasfaserkabel mit FC/PC-Anschluss am Spektrometerende und FC/PC-Anschluss am Laserende. Klebstoffversiegeltes Quarzglasfenster für die kontaktlose Probennahme. 5,5 mm Arbeitsabstand. Umfasst ein Set mit 5M-Stecker für Fernverriegelung/Emissionsanzeige. Nicht zum Eintauchen geeignet. Diese Sonde ist mit der i-Raman Prime und der STRam Produktfamilie kompatibel.



BWT-840001177 Aperture Removal Tool

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

