



SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER

Designed to conserve benchspace, our product offers the measurement range of 190-1100nm at bandwidth of 2nm. Engineered for a wide range of applications, our systems provide dependable performance and reliable results. It produces the photometric range of -0.3 to 3 A; 0-200 %T and photometric accuracy of $\pm 0.3\%$ T which makes it suitable for various quantitative assays.

Used in Most suitable for quantitative determination assays and toxicological assays in environmental, industrial, pharmaceutical fields..

Also known as Vis Spectrometer, UV-Vis Spectrometer, Spectrometers, visible spectrophotometer.

BSSBV-102 SINGLE BEAM VISIBLE SPECTROPHOTOMETER



Wavelength range: 320nm-1100nm

Optical System: High quality Czerny Turner Diffraction Grating monochromator ensures high resolution, high photometric accuracy and low stray light

Bandwidth: 4nm

Detector: Silicon Photodiode

Measurement Range with ultra-low Stray Light: With its ultra-low stray light ($\leq 0.2\%$ T (220nm, 340nm)) is achieved on wavelength range of 320 - 1100 nm

Sample size: A wide range of standard cuvettes can be used based on the sensitivity or sample volume requirements.

Sophisticated and simplified sample analysis software: The Sample analysis software deliver scanning, fixed wavelength analysis, quantitative analysis, data collection, storage, export, and reporting.

With additional feature of an easy access USB port available in the unit, which enables results to be stored directly to a USB memory stick for easy transfer of data.

SPECIFICATIONS

Model	BSSBV-102
Wavelength Range	320-1100 nm
Wavelength Accuracy	± 2 nm
Wavelength Repeatability	± 1 nm
Spectral Bandwidth	4 nm
Photometric Range	-0.3 to 3 A
0-200 %T	-9999 to 9999 C
Photometric Accuracy	$\pm 0.5\%$ T (0-100%T)
Photometric Repeatability	$\pm 0.2\%$ T (0-100%T)
Stability	± 0.002 A/hr at 500 nm, 0 A
Baseline Flatness	None
Stray Light	$\leq 0.2\%$ T (220 nm, NaI; 340 nm, NaNO ₂)
Photometric Mode	None
Optical System	Littrow, Grating 1200 line/mm
Monochromator	Littrow Diffraction Monochromator
Gross Dimension (W/D/H)	470x380x200 mm
Display	LCD
Weight (Net/Gross)	14 kg
Power Supply	240V 60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Optical length	Description
3002006006	Quartz Cells - Melt together	1mm	
3002006007	Quartz Cells - Melt together	2mm	
3002006008	Quartz Cells - Melt together	5mm	
3002006009	Quartz Cells - Melt together	10mm	
3002006010	Quartz Cells - Melt together	20mm	
3002006011	Quartz Cells - Melt together	30mm	
3002006012	Quartz Cells - Melt together	40mm	
3002006013	Quartz Cells - Melt together	50mm	
3002006014	Quartz Cells - Melt together	100mm	
3002006015	Glass Cell - Melt together	1mm	
3002006016	Glass Cell - Melt together	2mm	
3002006017	Glass Cell - Melt together	5mm	
3002006018	Glass Cell - Melt together	10mm	
3002006019	Glass Cell - Melt together	20mm	
3002006020	Glass Cell - Melt together	30mm	
3002006021	Glass Cell - Melt together	40mm	
3002006022	Glass Cell - Melt together	50mm	
3002006023	Glass Cell - Melt together	100mm	
3002006024	Quartz fluorescence cell (With cover) - Melt together	10mm	
3002006025	10mm Quartz Cells (with plug) - Melt together	10mm	
3002006026	Micro cuvette - Melt together	10mm (1; 2; 4mm slit)	
3002006027	Quartz Cells - Hydrogel type	1mm	
3002006028	Quartz Cells - Hydrogel type	2mm	
3002006029	Quartz Cells - Hydrogel type	5mm	
3002006030	Quartz Cells - Hydrogel type	10mm	
3002006031	Quartz Cells - Hydrogel type	20mm	
3002006032	Quartz Cells - Hydrogel type	30mm	
3002006033	Quartz Cells - Hydrogel type	40mm	
3002006034	Quartz Cells - Hydrogel type	50mm	
3002006035	Quartz Cells - Hydrogel type	100mm	
3002006036	Glass Cell - Hydrogel type	1mm	
3002006037	Glass Cell - Hydrogel type	2mm	
3002006038	Glass Cell - Hydrogel type	5mm	
3002006039	Glass Cell - Hydrogel type	10mm	
3002006040	Glass Cell - Hydrogel type	20mm	
3002006041	Glass Cell - Hydrogel type	30mm	
3002006042	Glass Cell - Hydrogel type	40mm	
3002006043	Glass Cell - Hydrogel type	50mm	
3002006044	Glass Cell - Hydrogel type	100mm	
3002006045	Quartz fluorescence cell (With cover) - Hydrogel type	10mm	
3002006046	Micro cuvette - Hydrogel type	10mm (1; 2; 4mm slit)	
3002006047	Black Micro cuvette (avoid light) - Hydrogel type	10mm (1; 2; 4mm slit)	
3002006048	Tungsten Lamp		
3002006049	Deuterium lamp		Heraeus 2.5V

BSSBV-201 SINGLE BEAM VISIBLE SPECTROPHOTOMETER



Latest Microprocessor Controlling System

One button auto zero calibration and 100%T calibration

128*64 LCD display, direct readout of Transmittance, Absorbance and Concentration

Precision 1200 lines/mm Grating Monochromator

Ensure high photometric resolution, high accuracy and low stray light

Easy Data Output by USB/Parallel Port

USB Port: Connect to computer and operate through PC software (PC software is optional)

Parallel Port: Connect to micro thermal printer to print test data(Micro thermal printer is optional)

Wide Sample Chamber Enables Multi-functions

120mm wide sample chamber and long optical path monochromator provide enough space for optional accessories

Four Display Modes; One-Button Quick Switching

Transmittance, Absorbance, Concentration and Factor (Coefficient) mode

SPECIFICATIONS

Model	BSSBV-201
Wavelength Range	325-1000 nm
Wavelength Accuracy	±2 nm
Wavelength Repeatability	≤0.5 nm
Spectral Bandwidth	4 nm
Wavelength setting	Manually
Optical System	Single Beam, Grating 1200 lines/mm
Photometric Range	-0.3-3 A, 0-200 % T, 0-9999 C
Photometric Accuracy	±0.5 % T
Photometric Repeatability	≤0.2 %T
Photometric Mode	T, A, C, F
Stray Light	≤0.2 %T at 360 nm
Display	128*64 Dots LCD
Detector	Silicon Photodiode
Output	USB Port & Parallel Port
Light Source	Tungsten Lamp
Power Supply	AC 85~250 V

ACCESSORIES

Accessory Code	Name	Unit
3000706027	1 cm glass cuvette	4 pcs
3000706028	power cord	1 pcs
3001706008	black block	1 pcs
3000706029	dust cover	1 pcs

OPTIONAL ACCESSORIES

Accessory Code	Name	Package Size (mm)	Description
3000706006	Quartz Cuvettes with Lid	52.5x12.5x45	
3000706007	Quartz Cuvettes with Lid	102.5x12.5x45	
3000706008	Glass Cuvettes with Stopper	7.5x12.5x45	
3000706009	Glass Cuvettes with Stopper	12.5x12.5x45	
3000706010	Glass Cuvettes with Stopper	22.5x12.5x45	
3000706011	Glass Cuvettes with Stopper	32.5x12.5x45	
3000706012	Glass Cuvettes with Stopper	42.5x12.5x45	
3000706013	Glass Cuvettes with Stopper	52.5x12.5x45	
3000706014	Glass Cuvettes with Stopper	102.5x12.5x45	
3000706015	Quartz Cuvettes with Stopper	7.5x12.5x45	
3000706016	Quartz Cuvettes with Stopper	12.5x12.5x45	
3000706017	Quartz Cuvettes with Stopper	22.5x12.5x45	
3000706018	Quartz Cuvettes with Stopper	32.5x12.5x45	
3000706019	Quartz Cuvettes with Stopper	42.5x12.5x45	
3000706020	Quartz Cuvettes with Stopper	52.5x12.5x45	
3000706021	Quartz Cuvettes with Stopper	102.5x12.5x45	
3000706022	Micro Cuvettes	12.5x12.5x45	
3000706023	Micro Cuvettes	12.5x12.5x45	
3000706024	Micro Cuvettes	12.5x12.5x45	
3000706025	Micro Cuvettes	12.5x12.5x45	
3001706006	Software		UV Basic
3001706007	Software		MetaSpec
3000706032	Cell Holder		10mm single cell holder
3000706033	Cell Holder		10mm 4-hole cell holder
3000706034	Cell Holder		50mm 4-hole cell holder
3000706035	Cell Holder		100mm 4-hole cell holder
3000706036	Cell Holder		10mm 8-hole auto cell holder
3000706037	Cell Holder		10mm 8-hole manual cell holder
3000706038	Cell Holder		10mm single hole water jacketed ambient cell holder
3000706039	Cell Holder		Adjustable cell holder for micro cuvettes
3000706040	Cell Holder		Transparent film holder
3000706041	Cell Holder		Test tube holder
3000706042	Control Units		Peltier system
3000706043	Control Units		Sipper system
3000706044	Control Units		Peltier/Sipper system
3000706045	Control Units		Micro printer
3000706046	Lamps		W lamp 12V; 20W (Phillips)
3000706047	Lamps		D2 lamp A510YXU
3000706048	Lamps		D2 lamp A510YXU-002
3000706049	Glass Cuvettes with Lid	7.5x12.5x45	
3000706050	Glass Cuvettes with Lid	12.5x12.5x45	
3000706051	Glass Cuvettes with Lid	22.5x12.5x45	
3000706052	Glass Cuvettes with Lid	32.5x12.5x45	
3000706053	Glass Cuvettes with Lid	42.5x12.5x45	

3000706054	Glass Cuvettes with Lid	52.5x12.5x45	
3000706055	Glass Cuvettes with Lid	102.5x12.5x45	
3000706056	Quartz Cuvettes with Lid	7.5x12.5x45	
3000706057	Quartz Cuvettes with Lid	12.5x12.5x45	
3000706058	Quartz Cuvettes with Lid	22.5x12.5x45	
3000706059	Quartz Cuvettes with Lid	32.5x12.5x45	
3000706060	Quartz Cuvettes with Lid	42.5x12.5x45	

200 SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER



- 2.5 inches High-Definition LCD Display
- Standard curve and test results are clearly displayed
- High-quality Tungsten Lamp and Deuterium Lamp
- Longer service life, much more stable
- Lower stray light, higher photometric accuracy
- Quick to Establish Standard Curve
- Quick to establish standard curve and measure the unknown samples
- Easy Data Output by USB/Parallel Port
- USB Port: Connect to computer and operate through PC software(PC software is optional)
- Parallel Port: Connect to micro thermal printer to print test data(Micro thermal printer is optional)
- Multiple Results Readout, Large Storage Capacity
- Display 5 lines of results per page, including wavelength, absorbance and transmittance
- Up to 200 groups of test results can be saved in device directly
- Automatic Wavelength Setting
- Set wavelength by arrow keys to reduce misoperation

SPECIFICATIONS

Model	BSSBV-202-A	BSSBV-202-B
Wavelength Range	325-1000 nm	190-1000 nm
Wavelength Accuracy	±2 nm	
Wavelength Repeatability	≤0.5 nm	
Spectral Bandwidth	2 nm	
Wavelength setting	Automatically	
Optical System	Single beam, grating 1200 lines/mm	
Photometric Range	-0.3-3 A, 0-200 %T, 0-9999 C	
Photometric Accuracy	±0.5 %T	
Photometric Repeatability	≤0.2 %T	
Photometric Mode	T, A, C, F	
Stray Light	≤0.1 %T at 360 nm	≤0.1 %T at 220 nm & 360 nm
Stability	≤0.002 A/30 min at 500 nm	
Display	128*64 Dots LCD	
Detector	Silicon Photodiode	
Light Source	W Lamp	W Lamp & D2 Lamp
Output	USB port & Parallel Port	

Wavelength Resolution	0.1 nm
Power Supply	AC 85~250 V

ACCESSORIES

Accessory Code	Name	Unit
3000706027	1 cm glass cuvette	4 pcs
3000706028	power cord	1 pcs
3000706029	dust cover	1 pcs

OPTIONAL ACCESSORIES

Accessory Code	Name	Package Size (mm)	Description
3000706006	Quartz Cuvettes with Lid	52.5x12.5x45	
3000706007	Quartz Cuvettes with Lid	102.5x12.5x45	
3000706008	Glass Cuvettes with Stopper	7.5x12.5x45	
3000706009	Glass Cuvettes with Stopper	12.5x12.5x45	
3000706010	Glass Cuvettes with Stopper	22.5x12.5x45	
3000706011	Glass Cuvettes with Stopper	32.5x12.5x45	
3000706012	Glass Cuvettes with Stopper	42.5x12.5x45	
3000706013	Glass Cuvettes with Stopper	52.5x12.5x45	
3000706014	Glass Cuvettes with Stopper	102.5x12.5x45	
3000706015	Quartz Cuvettes with Stopper	7.5x12.5x45	
3000706016	Quartz Cuvettes with Stopper	12.5x12.5x45	
3000706017	Quartz Cuvettes with Stopper	22.5x12.5x45	
3000706018	Quartz Cuvettes with Stopper	32.5x12.5x45	
3000706019	Quartz Cuvettes with Stopper	42.5x12.5x45	
3000706020	Quartz Cuvettes with Stopper	52.5x12.5x45	
3000706021	Quartz Cuvettes with Stopper	102.5x12.5x45	
3000706022	Micro Cuvettes	12.5x12.5x45	
3000706023	Micro Cuvettes	12.5x12.5x45	
3000706024	Micro Cuvettes	12.5x12.5x45	
3000706025	Micro Cuvettes	12.5x12.5x45	
3001706006	Software		UV Basic
3001706007	Software		MetaSpec
3000706032	Cell Holder		10mm single cell holder
3000706033	Cell Holder		10mm 4-hole cell holder
3000706034	Cell Holder		50mm 4-hole cell holder
3000706035	Cell Holder		100mm 4-hole cell holder
3000706036	Cell Holder		10mm 8-hole auto cell holder
3000706037	Cell Holder		10mm 8-hole manual cell holder
3000706038	Cell Holder		10mm single hole water jacketed ambient cell holder
3000706039	Cell Holder		Adjustable cell holder for micro cuvettes
3000706040	Cell Holder		Transparent film holder
3000706041	Cell Holder		Test tube holder
3000706042	Control Units		Peltier system
3000706043	Control Units		Sipper system

3000706044	Control Units		Peltier/Sipper system
3000706045	Control Units		Micro printer
3000706046	Lamps		W lamp 12V; 20W (Phillips)
3000706047	Lamps		D2 lamp A510YXU
3000706048	Lamps		D2 lamp A510YXU-002
3000706049	Glass Cuvettes with Lid	7.5x12.5x45	
3000706050	Glass Cuvettes with Lid	12.5x12.5x45	
3000706051	Glass Cuvettes with Lid	22.5x12.5x45	
3000706052	Glass Cuvettes with Lid	32.5x12.5x45	
3000706053	Glass Cuvettes with Lid	42.5x12.5x45	
3000706054	Glass Cuvettes with Lid	52.5x12.5x45	
3000706055	Glass Cuvettes with Lid	102.5x12.5x45	
3000706056	Quartz Cuvettes with Lid	7.5x12.5x45	
3000706057	Quartz Cuvettes with Lid	12.5x12.5x45	
3000706058	Quartz Cuvettes with Lid	22.5x12.5x45	
3000706059	Quartz Cuvettes with Lid	32.5x12.5x45	
3000706060	Quartz Cuvettes with Lid	42.5x12.5x45	



BSSBV-202-A



BSSBV-202-B

200 SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER



Wavelength range: 320nm-1100nm

Optical System: 1200 lines/mm line Czerny Turner Diffraction Grating monochromator ensures high resolution, high photometric accuracy and low stray light

Bandwidth: 2&4nm

Detector: Silicon Photodiode

Measurement Range with ultra-low Stray Light

: With its ultra-low stray light $\leq 0.05\%$ T is achieved on wavelength range of 320 - 1100 nm

Sample size: A wide range of standard cuvettes can be used based on the sensitivity or sample volume requirements.

Sophisticated and simplified sample analysis software: The Sample analysis software deliver scanning, fixed wavelength analysis, quantitative analysis, data collection, storage, export, and reporting.

With additional feature of an easy access USB port available in the unit, which enables results to be stored directly to a USB memory stick for easy transfer of data.

Large sample compartment to accommodate 5-100mm cuvettes with holders

Pre-aligned design allows convenient changing of lamps

USB port and parallel port

Equipped with tungsten halogen lamp

Automatic zero adjustment

Easy to use and operate

Two-points method measures concentration of unknown samples

SPECIFICATIONS

Model	BSSBV-203-A	BSSBV-203-B
Wavelength Range	320-1100 nm	190-1100 nm
Wavelength Accuracy	± 0.5 nm	
Wavelength Repeatability	0.2 nm	
Spectral Bandwidth	2 nm	
Wavelength setting	Auto	
Photometric Range	-0.3-3 A, 0-200 %T, 0-9999 05C	
Photometric Accuracy	± 0.3 %T	
Photometric Repeatability	0.2 %T	0.15%T
Stability	± 0.002 A/hr at 500 nm	± 0.001 A/h @ 500nm
Baseline Flatness	± 0.002 A/h	
Stray Light	≤ 0.05 %T at 220nm, 360nm	$\leq 0.05\%$ T
Light Source	W Lamp / D2&W Lamp	
Photometric Mode	T, A, C, F	-
Detector	Silicon Photodiode	
Gross Dimension (W/D/H)	460x360x225 mm	-
Display	128x64LCD	128x64 Dots LCD
Weight (Net/Gross)	16 kg	-
Power	300 W	-
Power Supply	110-220V 50-60Hz	AC 220V/50Hz or 110V/60Hz

Dimension (W/D/H)	-	460x360x225 mm
Weight	-	18kg
Printer Port	-	Parallel Port
Data Output Port	-	USB

ACCESSORIES

Accessory Code	Name	Unit
3000706027	1 cm glass cuvette	4 pcs
3000706028	power cord	1 pcs
3000706029	dust cover	1 pcs

OPTIONAL ACCESSORIES

Accessory Code	Name	Package Size (mm)	Description
3000706006	Quartz Cuvettes with Lid	52.5x12.5x45	
3000706007	Quartz Cuvettes with Lid	102.5x12.5x45	
3000706008	Glass Cuvettes with Stopper	7.5x12.5x45	
3000706009	Glass Cuvettes with Stopper	12.5x12.5x45	
3000706010	Glass Cuvettes with Stopper	22.5x12.5x45	
3000706011	Glass Cuvettes with Stopper	32.5x12.5x45	
3000706012	Glass Cuvettes with Stopper	42.5x12.5x45	
3000706013	Glass Cuvettes with Stopper	52.5x12.5x45	
3000706014	Glass Cuvettes with Stopper	102.5x12.5x45	
3000706015	Quartz Cuvettes with Stopper	7.5x12.5x45	
3000706016	Quartz Cuvettes with Stopper	12.5x12.5x45	
3000706017	Quartz Cuvettes with Stopper	22.5x12.5x45	
3000706018	Quartz Cuvettes with Stopper	32.5x12.5x45	
3000706019	Quartz Cuvettes with Stopper	42.5x12.5x45	
3000706020	Quartz Cuvettes with Stopper	52.5x12.5x45	
3000706021	Quartz Cuvettes with Stopper	102.5x12.5x45	
3000706022	Micro Cuvettes	12.5x12.5x45	
3000706023	Micro Cuvettes	12.5x12.5x45	
3000706024	Micro Cuvettes	12.5x12.5x45	
3000706025	Micro Cuvettes	12.5x12.5x45	
3001706006	Software		UV Basic
3001706007	Software		MetaSpec
3000706032	Cell Holder		10mm single cell holder
3000706033	Cell Holder		10mm 4-hole cell holder
3000706034	Cell Holder		50mm 4-hole cell holder
3000706035	Cell Holder		100mm 4-hole cell holder
3000706036	Cell Holder		10mm 8-hole auto cell holder
3000706037	Cell Holder		10mm 8-hole manual cell holder
3000706038	Cell Holder		10mm single hole water jacketed ambient cell holder
3000706039	Cell Holder		Adjustable cell holder for micro cuvettes
3000706040	Cell Holder		Transparent film holder
3000706041	Cell Holder		Test tube holder

3000706042	Control Units		Peltier system
3000706043	Control Units		Sipper system
3000706044	Control Units		Peltier/Sipper system
3000706045	Control Units		Micro printer
3000706046	Lamps		W lamp 12V; 20W (Phillips)
3000706047	Lamps		D2 lamp A510YXU
3000706048	Lamps		D2 lamp A510YXU-002
3000706049	Glass Cuvettes with Lid	7.5x12.5x45	
3000706050	Glass Cuvettes with Lid	12.5x12.5x45	
3000706051	Glass Cuvettes with Lid	22.5x12.5x45	
3000706052	Glass Cuvettes with Lid	32.5x12.5x45	
3000706053	Glass Cuvettes with Lid	42.5x12.5x45	
3000706054	Glass Cuvettes with Lid	52.5x12.5x45	
3000706055	Glass Cuvettes with Lid	102.5x12.5x45	
3000706056	Quartz Cuvettes with Lid	7.5x12.5x45	
3000706057	Quartz Cuvettes with Lid	12.5x12.5x45	
3000706058	Quartz Cuvettes with Lid	22.5x12.5x45	
3000706059	Quartz Cuvettes with Lid	32.5x12.5x45	
3000706060	Quartz Cuvettes with Lid	42.5x12.5x45	



BSSBV-203-A



BSSBV-203-B

200 SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER



Precision Lead Screw Structure

Higher wavelength accuracy and wavelength resolution (0.1nm)

Complete Numerical Keys; Automatic Wavelength Setting

All parameters can be easily set, like wavelength and concentration

Easy Data Output by USB/Parallel Port

USB Port: Connect to computer and operate through PC soft(PC software is optional)

Parallel Port: Connect to micro thermal printer to print test data(Micro thermo printer is optional)

8mm thick Optical Base

All optical components are fixed on a 8mm thick rigid die-cast aluminum board to promise higher stability and reliability

Imported Tungsten Lamp and Deuterium Lamp

Longer service life, much more stable

Lower stray light, higher photometric accuracy

Quick to Establish Standard Curve

Quick to establish standard curve and measure the unknown samples

SPECIFICATIONS

Model	BSSBV-204-A	BSSBV-204-B
Wavelength Range	320-1100 nm	190-1100 nm
Wavelength Accuracy	±0.5 nm	
Wavelength Repeatability	≤0.2 nm	
Spectral Bandwidth	2 nm	
Wavelength setting	Automatically	
Photometric Range	-0.3-3 A,0-200 %T,0-9999 C	
Photometric Accuracy	0.2 %T	
Photometric Repeatability	≤0.1 %T	
Stability	≤0.001 A/30 min at 500 nm	
Stray Light	≤0.05 %T at 360 nm	≤0.05 %T at 220 nm & 360 nm
Output	USB port & Parallel Port	
Light Source	W Lamp	W Lamp & D2 Lamp
Detector	Silicon Photodiode	
Display	128*64 Dots LCD	
Power Supply	AC 110/220 V, 50/60 Hz	

ACCESSORIES

Accessory Code	Name	Unit
3000706027	1 cm glass cuvette	4 pcs
3000706028	power cord	1 pcs
3000706029	dust cover	1 pcs

OPTIONAL ACCESSORIES

Accessory Code	Name	Package Size (mm)	Description
3000706006	Quartz Cuvettes with Lid	52.5x12.5x45	
3000706007	Quartz Cuvettes with Lid	102.5x12.5x45	
3000706008	Glass Cuvettes with Stopper	7.5x12.5x45	
3000706009	Glass Cuvettes with Stopper	12.5x12.5x45	
3000706010	Glass Cuvettes with Stopper	22.5x12.5x45	
3000706011	Glass Cuvettes with Stopper	32.5x12.5x45	
3000706012	Glass Cuvettes with Stopper	42.5x12.5x45	
3000706013	Glass Cuvettes with Stopper	52.5x12.5x45	
3000706014	Glass Cuvettes with Stopper	102.5x12.5x45	
3000706015	Quartz Cuvettes with Stopper	7.5x12.5x45	
3000706016	Quartz Cuvettes with Stopper	12.5x12.5x45	
3000706017	Quartz Cuvettes with Stopper	22.5x12.5x45	
3000706018	Quartz Cuvettes with Stopper	32.5x12.5x45	
3000706019	Quartz Cuvettes with Stopper	42.5x12.5x45	
3000706020	Quartz Cuvettes with Stopper	52.5x12.5x45	
3000706021	Quartz Cuvettes with Stopper	102.5x12.5x45	
3000706022	Micro Cuvettes	12.5x12.5x45	
3000706023	Micro Cuvettes	12.5x12.5x45	

3000706024	Micro Cuvettes	12.5x12.5x45	
3000706025	Micro Cuvettes	12.5x12.5x45	
3001706006	Software		UV Basic
3001706007	Software		MetaSpec
3000706032	Cell Holder		10mm single cell holder
3000706033	Cell Holder		10mm 4-hole cell holder
3000706034	Cell Holder		50mm 4-hole cell holder
3000706035	Cell Holder		100mm 4-hole cell holder
3000706036	Cell Holder		10mm 8-hole auto cell holder
3000706037	Cell Holder		10mm 8-hole manual cell holder
3000706038	Cell Holder		10mm single hole water jacketed ambient cell holder
3000706039	Cell Holder		Adjustable cell holder for micro cuvettes
3000706040	Cell Holder		Transparent film holder
3000706041	Cell Holder		Test tube holder
3000706042	Control Units		Peltier system
3000706043	Control Units		Sipper system
3000706044	Control Units		Peltier/Sipper system
3000706045	Control Units		Micro printer
3000706046	Lamps		W lamp 12V; 20W (Phillips)
3000706047	Lamps		D2 lamp A510YXU
3000706048	Lamps		D2 lamp A510YXU-002
3000706049	Glass Cuvettes with Lid	7.5x12.5x45	
3000706050	Glass Cuvettes with Lid	12.5x12.5x45	
3000706051	Glass Cuvettes with Lid	22.5x12.5x45	
3000706052	Glass Cuvettes with Lid	32.5x12.5x45	
3000706053	Glass Cuvettes with Lid	42.5x12.5x45	
3000706054	Glass Cuvettes with Lid	52.5x12.5x45	
3000706055	Glass Cuvettes with Lid	102.5x12.5x45	
3000706056	Quartz Cuvettes with Lid	7.5x12.5x45	
3000706057	Quartz Cuvettes with Lid	12.5x12.5x45	
3000706058	Quartz Cuvettes with Lid	22.5x12.5x45	
3000706059	Quartz Cuvettes with Lid	32.5x12.5x45	
3000706060	Quartz Cuvettes with Lid	42.5x12.5x45	



BSSBV-204-A



BSSBV-204-B

300 SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER



Wavelength range: 320nm-1100nm

Optical System: 1200 lines/mm line Czerny Turner Diffraction Grating monochromator ensures high resolution, high photometric accuracy and low stray light

Bandwidth: 2&4nm

Detector: Silicon Photodiode

Measurement Range with ultra-low Stray Light: With its ultra-low stray light $\leq 0.05\%$ is achieved on wavelength range of 320 - 1100 nm

Sample size: A wide range of standard cuvettes can be used based on the sensitivity or sample volume requirements.

Sophisticated and simplified sample analysis software: The Sample analysis software deliver scanning, fixed wavelength analysis, quantitative analysis, data collection, storage, export, and reporting.

With additional feature of an easy access USB port available in the unit, which enables results to be stored directly to a USB memory stick for easy transfer of data.

LCD display

Large sample compartment to accommodate 5-100mm cuvettes with holders

USB port and parallel port

Manually set wavelength

Automatic zero adjustment

SPECIFICATIONS

Model	BSSBV-301	BSSBV-302	BSSBV-303
Wavelength Range	325-1000 nm		320-1100 nm
Wavelength Accuracy	±2 nm		±0.5 nm
Wavelength Repeatability	1 nm	0.8 nm	0.3 nm
Spectral Bandwidth	4 nm		
Photometric Range	0-200 %T, -0.3 - 3 A, 0-1999 C	0-200 %T, -0.3 - 3 A, 0-9999 C	
Photometric Accuracy	±0.5 %T or ±0.004 A @ 1A		
Stability	±0.004 A/h @ 500 nm	±0.002 A/h @ 500 nm	±0.001 A/h @ 500 nm
Stray Light	0.2 %T		0.05 %T @ 360 nm
Light Source	Tungsten Lamp		
Photometric Mode	T, A, C, F	None	
Optical System	Single Beam , Grating 1200 lines/mm		
Gross Dimension (W/D/H)	440x387x180 mm		470x373x187 mm
Display	128*64 LCD	LCD	Graphic LCD (128*64 dots)
Weight (Net/Gross)	8 kg	12 kg	
Power Supply	AC 85 V - 265 V 50/60 Hz	AC 220V/50Hz or AC110/60Hz	AC 110/220 V 50/60 Hz
Software	-	USB	-

Model	BSSBV-303-PC	BSSBV-304	BSSBV-304-PC
Wavelength Range	320-1100 nm		
Wavelength Accuracy	±0.5 nm		
Wavelength Repeatability	0.3 nm		
Spectral Bandwidth	4 nm	2 nm	
Photometric Range	0-200 %T, -0.3 - 3 A, 0-9999 C		
Photometric Accuracy	±0.5 %T or ±0.004 A @ 1A		

Stability	±0.001 A/h @ 500 nm	±0.001 A/hr @ 500 nm
Stray Light	0.05 %T @ 360 nm	
Light Source	Tungsten Lamp	
Photometric Mode	None	
Optical System	Single Beam , Grating 1200 lines/mm	
Gross Dimension (W/D/H)	470x373x187 mm	
Display	Graphic LCD (128*64 dots)	LCD
Weight (Net/Gross)	12 kg	
Power Supply	AC 110/220 V 50/60 Hz	
Software	-	-

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Unit	Light Path (mm)	For Models
3000806007	Holder	4-cell holder for up to 50mm square cuvette			All
3000806008	Holder	4-cell holder for up to 100mm square cuvette			All
3000806009	Holder	Long path single cell holder for 100mm			All
3000806010	Holder	Single cell holder for 10mm square Cuvette			All
3000806011	Holder	Cylindrical cell holder(Φ16mm)			All
3000806030	Cuvettes	Square cuvettes; glass 50mm	/4pcs		All
3000806031	Cuvettes	Square cuvettes; glass 100mm	/4pcs		All
3000806032	Cuvettes	Square cuvettes; quartz 10mm	/2pcs		All
3000806033	Cuvettes	Square cuvettes; quartz 20mm	/2pcs		All
3001806006	Cuvettes	Square cuvettes; quartz 100mm	/2pcs		BSSBV-301
3001806007	Cuvettes	50ul micro cell	/1pc		BSSBV-301, BSSBV-302
3000806035	Cuvettes	1000ul micro cell; central-beam height:8.5mm;15mm; 3x10x45mm; quartz	/1pc		All
3000806036	Software	Dongles for 31.61 application software ; (UV analyst software)	/1set		All
3000806037	Software	Software (m.wave basic)	/1set		All
3000806038	Software	Software	/1set		All
3000806039	Software	Advanced PC window software (m.wave professional)	/1set		All
3000806040	Software	Software (m.wave basic)	/1set		All
3000806041	Holder	Cell holder for micro cells; Central beam height: 15mm			All
3000806042	USB connector line	USB connector line (only for m.wave basic)	/1pc		All
3000806043	Quartz Cuvette	Cell; 100ul; 1pcs; central beam height: 15mm		10	All
3000806044	Quartz Cuvette	Cell; 200ul; 1pcs;central beam height:15mm		10	All
3000806045	Cuvette	Flow cell; 5 mm; optical glass; 1pcs;central beam height:15mm; l5xw2xh5mm			All
3000806046	Cuvette	Flow cell; 10 mm; optical glass; 1pcs;central beam height:15mm; l10xw2xh5mm			All
3000806047	Cuvette	Flow cell; 20 mm; optical glass; 1pcs;central beam height:15mm;l20xw2xh5mm			All
3000806048	Cuvette	Flow cell; 30 mm; optical glass; 1pcs;central beam height:15mm; l30xw2xh5mm			All

3000806049	Cuvette	Flow cell; 5 mm; quartz; 1pcs; central beam height:15mm; l5xw2xh5mm			All
3001806008	Other	A-101 sipper system; holder beam height:15mm			BSSBV-301
3000806052	Other	A-100 peltier/sipper system; constant-temperature sipper system; holder beam height:15mm			All
3001806009	Holder	4-cell holder for up to 100mm square cuvette			All
3000806055	Holder	Test tube holder(Φ8-Φ22mm)			All
3000806057	Silicon tube	Silicon tube; 1bag=1pair(1m+1m)	/1bag		All
3000806060	Glass cuvettes	Square cuvettes; volume:900ul		2	All
3000806061	Glass cuvettes	Square cuvettes; volume:450ul		1	All
3000806062	Quartz cuvettes	Square cuvettes; volume:1800ul	/2pcs	5	All
3001807006	Other	A-102 peltier system; constant-temperature system; holder beam height:15mm			BSSBV-302, BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806019	Other	5° reflectance meachment attachment (minimum sample:20x20mm ;central beam height:50mm)	/1pc		BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806020	Lamp	6v10w halogen lamp	/1pc		BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806021	Lamp	12v20w halogen lamp (phillips)			BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806022	Lamp	12v20w halogen lamp (osram)			BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806023	Lamp	Milas deuterium lamp; 10v;300ma; 30w			BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806024	Lamp	Deuterium lamp	/1pc		BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806025	Thermo printer				BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806026	Stylus printer				BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806027	Cuvettes	Square cuvettes; glass 10mm	/4pcs		BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806028	Cuvettes	Square cuvettes; glass 20mm	/4pcs		BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806029	Cuvettes	Square cuvettes; glass 30mm	/4pcs		BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3001808006	Cuvettes	Square cuvettes; quartz 30mm	/2pcs		BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3001808007	Cuvettes	Square cuvettes; quartz 50mm	/2pcs		BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3001808008	Holder	4-cell holder for 10mm to 50mm square cuvette			BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806054	Holder	10mm water-jacketed 4-cell holder			BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC
3000806056	Holder	Solid sample holder(δ1.5mm-3mm; 1-position)			BSSBV-303, BSSBV-303-PC, BSSBV-304, BSSBV-304-PC



BSSBV-301



BSSBV-302



BSSBV-303



BSSBV-303-PC



BSSBV-304



BSSBV-304-PC

BSSBV-401 SINGLE BEAM VISIBLE SPECTROPHOTOMETER



Wavelength range: 320nm-1100nm

Optical System: 1200 lines/mm line Czerny Turner Diffraction Grating monochromator ensures high resolution, high photometric accuracy and low stray light

Bandwidth: 2nm

Detector: Silicon Photodiode

Measurement Range with ultra-low Stray Light With its ultra-low stray light $\leq 0.05\%$ is achieved on wavelength range of 320 - 1100 nm

Sample size: A wide range of standard cuvettes can be used based on the sensitivity or sample volume requirements.

Sophisticated and simplified sample analysis software: The Sample analysis software deliver scanning, fixed wavelength analysis, quantitative analysis, data collection, storage, export, and reporting.

With additional feature of an easy access USB port available in the unit, which enables results to be stored directly to a USB memory stick for easy transfer of data.

Suspended posture optical system

24-bit high speed and high precision A/D conversion technique improves sensitivity

Can store up to 200 groups of data and 200 standard curves

Automatic wavelength setting

Automatic wavelength calibration and automatic deviation repair

USB port and parallel port

Inclusive of standard PC software

SPECIFICATIONS

Model	BSSBV-401
Wavelength Range	320-1100 nm
Wavelength Accuracy	± 0.5 nm
Wavelength Reproducibility	≤ 0.2 nm
Wavelength Repeatability	≤ 0.2 nm

Spectral Bandwidth	3 nm
Photometric Range	0.200 %T, -0.3-3 A, 0-9999 C
Photometric Accuracy	±0.3 %T
Photometric Repeatability	≤0.15 %T
Stability	±0.0001 A/hr at 500 nm
Baseline Flatness	±0.0001 A/h
Stray Light	≤0.05 %T
Light Source	Tungsten-Halogen Lamp
Photometric Mode	≤0.05 %T
Software	USB
Gross Dimension (W/D/H)	460x380x180 mm
Display	LCD (228x64 pixel)
Noise	≤0.0005A
Weight (Net/Gross)	15 kg
Power	300 W
Power Supply	AC 220V/50Hz or AC110/60Hz

ACCESSORIES

Accessory Code	Name	Unit
3000606019	Glass cuvette (10 mm)	4 pcs
3000606023	Dustproof cover	1 pc
3000606026	Software CD	1 pc
3000606028	USB Cable	1 pc
3000606030	Power cord	1 pc
3000606032	Softdog	1 pc

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Light Path LxWxH (mm)	Volume	Unit	Light Path LxWxH (mm)
3000606007	Single Position Water Jacketed Ambient Cell Holder	10 mm				
3000606008	4-Position Cell Holder	10 mm				
3000606009	4-Position Cell Holder	50 mm				
3000606010	4-Position Cell Holder	100 mm				
2902406006	Adjustable Cell Holder for Micro Cuvettes					
2902406007	Transparent Film Holder					
3000606012	Tube Holder					
3000606013	Thermostatic Controller					
3000606014	Auto Sampler					
3000606015	Auto Thermostatic Sampler					
3000606016	Micro Printer					
3000606017	Tungsten Lamp 6V; 10W (PH)					
3000606018	Tungsten Lamp 12V; 20W (PH)					
3000606020	Tungsten Lamp 12V; 20W (OSRAM)					
3000606024	Glass Cuvette		5x10x45	1.7 ml	Set (4 pcs)	

3000606025	Glass Cuvette		10x10x45	3.5 ml	Set (4 pcs)	
3000606027	Glass Cuvette		20x10x45	7 ml	Set (4 pcs)	
3000606029	Glass Cuvette		30x10x45	10.5 ml	Set (4 pcs)	
3000606031	Glass Cuvette		40x10x45	14 ml	Set (4 pcs)	
3000606033	Glass Cuvette		50x10x45	17.5 ml	Set (4 pcs)	
3000606034	Glass Cuvette		100x10x45	35 ml	Set (4 pcs)	
3000606035	Quartz Cuvette		5x10x45	1.7 ml	Set (2 pcs)	
3000606036	Quartz Cuvette		10x10x45	3.5 ml	Set (2 pcs)	
3000606037	Quartz Cuvette		20x10x45	7 ml	Set (2 pcs)	
3000606038	Quartz Cuvette		30x10x45	10.5 ml	Set (2 pcs)	
3000606039	Quartz Cuvette		40x10x45	14 ml	Set (2 pcs)	
3000606040	Quartz Cuvette		50x10x45	17.5 ml	Set (2 pcs)	
3000606041	Quartz Cuvette		100x10x45	35 ml	Set (2 pcs)	
3000606042	Micro Quartz Cuvette		10x2x2.5	50 µl	Set (2 pcs)	
3000606043	Micro Quartz Cuvette		10x2x5	100 µl	Set (2 pcs)	
3000606044	Micro Quartz Cuvette		10x2x10	200 µl	Set (2 pcs)	
3000606045	Micro Quartz Cuvette		10x2x25	500 µl	Set (2 pcs)	
3000606046	Micro Quartz Cuvette		10x2x45	700 µl	Set (2 pcs)	
3001906006	Quartz Flow Cuvette				Set (2 pcs)	
3000606047	Micro Quartz Cuvette				Set (2 pcs)	10x2x45

BSSUV-102 SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER



Wavelength range: 190nm-1100nm

Optical System: Double beam optical system

Czerny-Turner diffraction monochromator having 1200 lines/mm grating

Bandwidth: 1.8nm/4nm

Detector: Silicon Photodiode

Wide Measurement Range with ultra-low Stray Light at highest Resolution: With its ultra-low stray light ($\leq 0.05\%T$ (220nm, 340nm)) is achieved at wavelength range of 190 - 1100 nm

Multi-wavelength pinpoint test for simultaneous testing of up to 30 wavelengths

Flexibility with various sample size: A wide range of standard cuvettes can be use based on the sensitivity or sample volume requirements.

Sophisticated and simplified sample analysis software: The Sample analysis software deliver scanning, fixed wavelength analysis, quantitative analysis, data collection, storage, export, and reporting.

With additional feature of an easy access USB port available in the unit, which enables results to be stored directly to a USB memory stick for easy transfer of data.

USB data interface with online PC software ensures powerful function and data processing capabilities

Automatic 4-position cell holder and optional 7-position or 16-position cell holder

Variety of optional accessories suitable for different applications including reflection sample holder, solid sample holder, water bath and auto sampler

SPECIFICATIONS

Model	BSSUV-102
Wavelength Range	190-1100 nm

Wavelength Accuracy	±0.1 nm (656.1nm D2)
Wavelength Repeatability	±0.5 nm
Spectral Bandwidth	2/4 nm
Photometric Range	-0.3 to 3 A
0-200 %T	-9999 to 9999 C
Photometric Accuracy	±0.5 %T (0-100%T)
Photometric Repeatability	±0.2 %T (0-100%T)
Stability	±0.002 A/hr. at 500 nm, 0 A
Baseline Flatness	±0.0015 A
Stray Light	≤ 0.05%T (220 nm,NaI;340 nm,NaNO ₂)
Optical System	Accurate double beam, Czerny-Turner, Grating 1200 line/mm
Monochromator	Littrow Diffraction Monochromator
Software	PC with online software
Gross Dimension (W/D/H)	470x390x225 mm
Display	LCD (320x240 pixel)
Weight (Net/Gross)	16 kg
Power	100 W
Power Supply	90-230V

OPTIONAL ACCESSORIES

Accessory Code	Name	Optical length	Description
3002006006	Quartz Cells - Melt together	1mm	
3002006007	Quartz Cells - Melt together	2mm	
3002006008	Quartz Cells - Melt together	5mm	
3002006009	Quartz Cells - Melt together	10mm	
3002006010	Quartz Cells - Melt together	20mm	
3002006011	Quartz Cells - Melt together	30mm	
3002006012	Quartz Cells - Melt together	40mm	
3002006013	Quartz Cells - Melt together	50mm	
3002006014	Quartz Cells - Melt together	100mm	
3002006015	Glass Cell - Melt together	1mm	
3002006016	Glass Cell - Melt together	2mm	
3002006017	Glass Cell - Melt together	5mm	
3002006018	Glass Cell - Melt together	10mm	
3002006019	Glass Cell - Melt together	20mm	
3002006020	Glass Cell - Melt together	30mm	
3002006021	Glass Cell - Melt together	40mm	
3002006022	Glass Cell - Melt together	50mm	
3002006023	Glass Cell - Melt together	100mm	
3002006024	Quartz fluorescence cell (With cover) - Melt together	10mm	
3002006025	10mm Quartz Cells (with plug) - Melt together	10mm	
3002006026	Micro cuvette - Melt together	10mm (1; 2; 4mm slit)	
3002006027	Quartz Cells - Hydrogel type	1mm	
3002006028	Quartz Cells - Hydrogel type	2mm	
3002006029	Quartz Cells - Hydrogel type	5mm	
3002006030	Quartz Cells - Hydrogel type	10mm	

3002006031	Quartz Cells - Hydrogel type	20mm	
3002006032	Quartz Cells - Hydrogel type	30mm	
3002006033	Quartz Cells - Hydrogel type	40mm	
3002006034	Quartz Cells - Hydrogel type	50mm	
3002006035	Quartz Cells - Hydrogel type	100mm	
3002006036	Glass Cell - Hydrogel type	1mm	
3002006037	Glass Cell - Hydrogel type	2mm	
3002006038	Glass Cell - Hydrogel type	5mm	
3002006039	Glass Cell - Hydrogel type	10mm	
3002006040	Glass Cell - Hydrogel type	20mm	
3002006041	Glass Cell - Hydrogel type	30mm	
3002006042	Glass Cell - Hydrogel type	40mm	
3002006043	Glass Cell - Hydrogel type	50mm	
3002006044	Glass Cell - Hydrogel type	100mm	
3002006045	Quartz fluorescence cell (With cover) - Hydrogel type	10mm	
3002006046	Micro cuvette - Hydrogel type	10mm (1; 2; 4mm slit)	
3002006047	Black Micro cuvette (avoid light) - Hydrogel type	10mm (1; 2; 4mm slit)	
3002006048	Tungsten Lamp		
3002006049	Deuterium lamp		Heraeus 2.5V

200 SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER



Wavelength range: 190nm-1100nm

Bandwidth: 2nm

Detector: Silicon Photodiode

Stray Light: It is achieved in range of $\leq 0.05\%$ T

Light source: Deuterium and tungsten halogen lamp

A wide range of standard cuvettes can be used based on the sensitivity or sample volume requirements

The sample analysis software provides the scanning, fixed wavelength analysis, quantitative analysis, data collection, storage, export, and reporting.

USB port and parallel port

Inclusive of standard PC software

With additional feature of an easy access USB port available in the unit which enables results to be stored directly to a USB memory stick for easy transfer of data. It can store up to 200 results.

Provides Photometric, Quantitative, Kinetics, Wavelength scan, Multi-wavelength and DNA/Protein Test functions

Enables building of calibration curves and further implementation of associated tests

Formation of multi-point standard curve using calibration curve method enables measurement of unknown sample concentration

Implements sample measurement after addition of coefficient of curvilinear equation using coefficient method

Automatic wavelength calibration and automatic deviation repair

Easy changing of deuterium and tungsten lamp excluding the need for debugging

SPECIFICATIONS

Model	BSSUV-201	BSSUV-202
Wavelength Range	190-1100 nm	
Wavelength Accuracy	±1nm	±0.5 nm
Wavelength Reproducibility	≤0.3 nm	≤0.2 nm
Wavelength Repeatability	≤0.3 nm	≤0.2 nm
Spectral Bandwidth	2 nm	1.8 nm
Photometric Range	0.200%T, -0.3-3A, 0-9999C	
Photometric Accuracy	±0.5 %T	±0.3 %T
Photometric Repeatability	≤0.2 %T	≤0.15 %T
Stability	±0.0001 A/h at 500 nm	
Baseline Flatness	±0.004 A	±0.0001 A
Stray Light	≤0.05 %T	
Light Source	Deuterium Lamp and Tungsten-Halogen Lamp	
Gross Dimension (W/D/H)	420x300x160 mm	460x380x180mm
Display	128x64 Dots LCD	LCD (320x240 pixel)
Noise	±0.004 A	±0.0005A
Weight (Net/Gross)	13 kg	20 kg
Power	300 W	
Power Supply	AC 220V/50Hz or AC110/60Hz	

ACCESSORIES

Accessory Code	Name	Unit	For Models
3000606019	Glass cuvette (10 mm)	4 pcs	All
3000606021	Quartz cuvette (10 mm)	2 pcs	All
3000606023	Dustproof cover	1 pc	All
3001715006	Power Cord (US/EU)	2pcs	BSSUV-201
3000606026	Software CD	1 pc	All
3000606028	USB Cable	1 pc	All
3000606030	Power cord	1 pc	BSSUV-202
3000606032	Softdog	1 pc	BSSUV-202

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Light Path LxWxH (mm)	Volume	Unit	Light Path LxWxH (mm)	For Models
3000606007	Single Position Water Jacketed Ambient Cell Holder	10 mm					All
3000606008	4-Position Cell Holder	10 mm					All
3000606009	4-Position Cell Holder	50 mm					All
3000606010	4-Position Cell Holder	100 mm					All
2902406006	Adjustable Cell Holder for Micro Cuvettes						All
2902406007	Transparent Film Holder						All
3000606012	Tube Holder						All

3000606013	Thermostatic Controller						All
3000606014	Auto Sampler						All
3000606015	Auto Thermostatic Sampler						All
3000606016	Micro Printer						All
3000606017	Tungsten Lamp 6V; 10W (PH)						All
3000606018	Tungsten Lamp 12V; 20W (PH)						All
3000606020	Tungsten Lamp 12V; 20W (OSRAM)						All
3000606022	D2 Lamp A510YXU Milasi						All
3000606024	Glass Cuvette		5x10x45	1.7 ml	Set (4 pcs)		All
3000606025	Glass Cuvette		10x10x45	3.5 ml	Set (4 pcs)		All
3000606027	Glass Cuvette		20x10x45	7 ml	Set (4 pcs)		All
3000606029	Glass Cuvette		30x10x45	10.5 ml	Set (4 pcs)		All
3000606031	Glass Cuvette		40x10x45	14 ml	Set (4 pcs)		All
3000606033	Glass Cuvette		50x10x45	17.5 ml	Set (4 pcs)		All
3000606034	Glass Cuvette		100x10x45	35 ml	Set (4 pcs)		All
3000606035	Quartz Cuvette		5x10x45	1.7 ml	Set (2 pcs)		All
3000606036	Quartz Cuvette		10x10x45	3.5 ml	Set (2 pcs)		All
3000606037	Quartz Cuvette		20x10x45	7 ml	Set (2 pcs)		All
3000606038	Quartz Cuvette		30x10x45	10.5 ml	Set (2 pcs)		All
3000606039	Quartz Cuvette		40x10x45	14 ml	Set (2 pcs)		All
3000606040	Quartz Cuvette		50x10x45	17.5 ml	Set (2 pcs)		All
3000606041	Quartz Cuvette		100x10x45	35 ml	Set (2 pcs)		All
3000606042	Micro Quartz Cuvette		10x2x2.5	50 ml	Set (2 pcs)		All
3000606043	Micro Quartz Cuvette		10x2x5	100 µl	Set (2 pcs)		All
3000606044	Micro Quartz Cuvette		10x2x10	200 µl	Set (2 pcs)		All
3000606045	Micro Quartz Cuvette		10x2x25	500 µl	Set (2 pcs)		All
3000606046	Micro Quartz Cuvette		10x2x45	700 µl	Set (2 pcs)		All
3001906006	Quartz Flow Cuvette				Set (2 pcs)		All
3000606047	Micro Quartz Cuvette				Set (2 pcs)	10x2x45	All
3000606011	8-Position Cell Holder	10 mm					BSSUV-202



BSSUV-201



BSSUV-202

300 SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER



Wavelength range: 190nm -1100nm

Bandwidth: 2nm and 4nm

Detector: Silicon Photodiode

Stray Light: It is achieved in range of 0.05%-0.2% T at 220,360nm

Light source : Deuterium and tungsten halogen lamp

A wide range of standard cuvettes can be used based on the sensitivity or sample volume requirements.

The sample analysis software provides the scanning, fixed wavelength analysis, quantitative analysis, data collection, storage, export, and reporting.

With additional feature of an easy access USB port available in the unit which enables results to be stored directly to a USB memory stick for easy transfer of data. It can store up to 200 results.

SPECIFICATIONS

Model	BSSUV-301	BSSUV-302	BSSUV-303
Wavelength Range	200-1000 nm		190-1100 nm
Wavelength Accuracy	±2 nm		±0.5 nm
Wavelength Repeatability	1 nm	0.8 nm	0.3 nm
Spectral Bandwidth	4 nm		
Photometric Range	0-200%T , -0.3 - 3A, 0-9999 C	0-200%T, -0.3 - 3A, 0-9999 C	0-200%T, -0.3-3.0 A, 0-9999 C
Photometric Accuracy	±0.5%T or ±0.004A @ 1 A		±0.5 %T or ±0.004A @ 1 A
Stability	±0.002 A/h @ 500 nm	± 0.002A/h @ 500 nm	±0.001 A/h @ 500 nm
Stray Light	0.2%T		0.05%T @ 220 nm, 360nm
Light Source	Tungsten and Deuterium Lamp		
Optical System	Single Beam , Grating 1200 lines/mm		
Gross Dimension (W/D/H)	440x387x180 mm		470x373x187 mm
Display	128x64 Dots LCD	LCD	Graphic LCD (128*64 Dots)
Weight (Net/Gross)	14 kg		
Power Supply	AC 220/50Hz or AC 110/60Hz		AC 110-220V/ 50-60Hz

Model	BSSUV-303-PC	BSSUV-304	BSSUV-304-PC
Wavelength Range	190-1100 nm		
Wavelength Accuracy	±0.5 nm		
Wavelength Repeatability	0.3 nm		
Spectral Bandwidth	4 nm	2 nm	
Photometric Range	0-200%T, -0.3-3.0 A, 0-9999 C		
Photometric Accuracy	±0.5 %T or ±0.004A @ 1 A		
Stability	±0.001 A/h @ 500 nm		
Stray Light	0.05%T @ 220 nm, 360nm		
Light Source	Tungsten and Deuterium Lamp		
Optical System	Single Beam , Grating 1200 lines/mm		
Gross Dimension (W/D/H)	470x373x187 mm		
Display	Graphic LCD (128*64 Dots)		
Weight (Net/Gross)	14 kg		
Power Supply	AC 110-220V/ 50-60Hz		

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Unit	Light Path (mm)	For Models
3000806007	Holder	4-cell holder for up to 50mm square cuvette			All
3000806008	Holder	4-cell holder for up to 100mm square cuvette			All
3000806009	Holder	Long path single cell holder for 100mm			All
3000806010	Holder	Single cell holder for 10mm square Cuvette			All
3000806011	Holder	Cylindrical cell holder(Φ16mm)			All
3000806030	Cuvettes	Square cuvettes; glass 50mm	/4pcs		All
3000806031	Cuvettes	Square cuvettes; glass 100mm	/4pcs		All
3000806032	Cuvettes	Square cuvettes; quartz 10mm	/2pcs		All
3000806033	Cuvettes	Square cuvettes; quartz 20mm	/2pcs		All
3001806007	Cuvettes	50ul micro cell	/1pc		BSSUV-301, BSSUV-302
3000806035	Cuvettes	1000ul micro cell; central-beam height:8.5mm;15mm; 3x10x45mm; quartz	/1pc		All
3000806036	Software	Dongles for 31.61 application software ; (UV analyst software)	/1set		All
3000806037	Software	Software (m.wave basic)	/1set		All
3000806038	Software	Software	/1set		All
3000806039	Software	Advanced PC window software (m.wave professional)	/1set		All
3000806040	Software	Software (m.wave basic)	/1set		All
3000806041	Holder	Cell holder for micro cells; Central beam height: 15mm			All
3000806042	USB connector line	USB connector line (only for m.wave basic)	/1pc		All
3000806043	Quartz Cuvette	Cell; 100ul; 1pcs; central beam height: 15mm		10	All
3000806044	Quartz Cuvette	Cell; 200ul; 1pcs;central beam height:15mm		10	All
3000806045	Cuvette	Flow cell; 5 mm; optical glass; 1pcs;central beam height:15mm; 15xw2xh5mm			All
3000806046	Cuvette	Flow cell; 10 mm; optical glass; 1pcs;central beam height:15mm; 110xw2xh5mm			All
3000806047	Cuvette	Flow cell; 20 mm; optical glass; 1pcs;central beam height:15mm;120xw2xh5mm			All
3000806048	Cuvette	Flow cell; 30 mm; optical glass; 1pcs;central beam height:15mm; 130xw2xh5mm			All
3000806049	Cuvette	Flow cell; 5 mm; quartz; 1pcs; central beam height:15mm; 15xw2xh5mm			All
3000806050	Cuvette	Flow cell; 20 mm; quartz; 1pcs; central beam height:15mm; 120xw2xh5mm			All
3001807006	Other	A-102 peltier system; constant-temperature system; holder beam height:15mm			All
3000806052	Other	A-100 peltier/sipper system; constant-temperature sipper system; holder beam height:15mm			All
3001806009	Holder	4-cell holder for up to 100mm square cuvette			All
3000806055	Holder	Test tube holder(Φ8-Φ22mm)			All
3000806057	Silicon tube	Silicon tube; 1bag=1pair(1m+1m)	/1bag		All
3000806060	Glass cuvettes	Square cuvettes; volume:900ul		2	All
3000806061	Glass cuvettes	Square cuvettes; volume:450ul		1	All
3000806062	Quartz cuvettes	Square cuvettes; volume:1800ul	/2pcs	5	All

3000806019	Other	5° reflectance meachment attachment (minimum sample:20x20mm ;central beam height:50mm)	/1pc		BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806020	Lamp	6v10w halogen lamp	/1pc		BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806021	Lamp	12v20w halogen lamp (phillips)			BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806022	Lamp	12v20w halogen lamp (osram)			BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806023	Lamp	Milas deuterium lamp; 10v;300ma; 30w			BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806024	Lamp	Deuterium lamp	/1pc		BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806025	Thermo printer				BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806026	Stylus printer				BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806027	Cuvettes	Square cuvettes; glass 10mm	/4pcs		BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806028	Cuvettes	Square cuvettes; glass 20mm	/4pcs		BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806029	Cuvettes	Square cuvettes; glass 30mm	/4pcs		BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3001808006	Cuvettes	Square cuvettes; quartz 30mm	/2pcs		BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3001808007	Cuvettes	Square cuvettes; quartz 50mm	/2pcs		BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3001808008	Holder	4-cell holder for 10mm to 50mm square cuvette			BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806054	Holder	10mm water-jacketed 4-cell holder			BSSUV-303, BSSUV-303-PC, BSSUV-304, BSSUV-304-PC
3000806056	Holder	Solid sample holder(ø1.5mm-3mm; 1-position)			BSSUV-303-PC, BSSUV-304, BSSUV-304-PC



BSSUV-301



BSSUV-302

BSSUV-303

BSSUV-303-PC



BSSUV-304

BSSUV-304-PC

BSSBV-206 SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER



Large HD Smart Touch Screen

High sensitivity and user-friendly UI for easy operation

Stand-Alone System with Multi Functions

Spectrum scanning, Standard curve, Kinetics, Multi wavelength, DNA/Protein test can be operated

directly on device without PC software

Automatic 8-position Cell Holder

Higher efficiency of experiment to save time

Easy Printing

Available to connect with general office printer directly (HP Deskjet 1111/1112/2723)

USB Port, Fast Data Output

All test data can be exported to USB disk directly

Optional Bluetooth Module and PC software

Bluetooth function and PC software are optional to meet different applications

Large Sample Chamber, Multi Options of Accessories

1-10cm universal cell holder, test tube holder, film holder, integrating sphere, specular reflectance accessory, peltier/sipper system, etc High-quality Grating with High Performance

Lower stray light, higher stability and reliability

16mm-thick Optical Base, Rigid Structure

All optical components are fixed on a 16mm thick rigid die-cast aluminum board to promise higher stability and reliability

SPECIFICATIONS

Model	BSSBV-206
Wavelength Range	190-1100 nm
Wavelength Accuracy	±0.5 nm
Wavelength Repeatability	≤0.2 nm
Spectral Bandwidth	1.8 nm
Photometric Range	-0.3-3 A, 0-200% T, 0-9999 C
Photometric Accuracy	±0.3% T (0-100%T); ±0.002 Abs (0-0.5 Abs); ±0.004 Abs (0.5-1.0 Abs)
Photometric Repeatability	≤0.1% T (0-100% T); ≤0.001 Abs (0-0.5 Abs); ≤0.002 Abs (0.5-1.0 Abs)
Stability	≤0.001 A/h@250 nm & 500 nm, 2hrs warm-up
Stray Light	≤0.05% T at 220 nm & 360 nm

Control Mode	Stand-alone System or PC Software (Optional)
Data	USB Port or Bluetooth (Optional)
Optical System	Single Beam , Grating 1200 lines/mm
Display	7-inch Touch Screen
Light Source	W Lamp & D2 Lamp
Power Supply	AC 110/220 V, 50/60 Hz



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