



# SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BSSUV-304

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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.

## BSSUV-304 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-304
Wavelength Range	190-1100 nm
Wavelength Accuracy	$\pm 0.5$ nm
Wavelength Repeatability	0.3 nm
Spectral Bandwidth	2 nm
Photometric Range	0-200%T, -0.3-3.0 A, 0-9999 C
Photometric Accuracy	$\pm 0.5$ %T or $\pm 0.004A$ @ 1 A
Stability	$\pm 0.001$ 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)
3000806007	Holder	4-cell holder for up to 50mm square cuvette		

3000806008	Holder	4-cell holder for up to 100mm square cuvette		
3000806009	Holder	Long path single cell holder for 100mm		
3000806010	Holder	Single cell holder for 10mm square Cuvette		
3000806011	Holder	Cylindrical cell holder(Φ16mm)		
3000806019	Other	5° reflectance meachment attachment (minimum sample:20x20mm ;central beam height:50mm)	/1pc	
3000806020	Lamp	6v10w halogen lamp	/1pc	
3000806021	Lamp	12v20w halogen lamp (phillips)		
3000806022	Lamp	12v20w halogen lamp (osram)		
3000806023	Lamp	Milas deuterium lamp; 10v;300ma; 30w		
3000806024	Lamp	Deuterium lamp	/1pc	
3000806025	Thermo printer			
3000806026	Stylus printer			
3000806027	Cuvettes	Square cuvettes; glass 10mm	/4pcs	
3000806028	Cuvettes	Square cuvettes; glass 20mm	/4pcs	
3000806029	Cuvettes	Square cuvettes; glass 30mm	/4pcs	
3000806030	Cuvettes	Square cuvettes; glass 50mm	/4pcs	
3000806031	Cuvettes	Square cuvettes; glass 100mm	/4pcs	
3000806032	Cuvettes	Square cuvettes; quartz 10mm	/2pcs	
3000806033	Cuvettes	Square cuvettes; quartz 20mm	/2pcs	
3001808006	Cuvettes	Square cuvettes; quartz 30mm	/2pcs	
3001808007	Cuvettes	Square cuvettes; quartz 50mm	/2pcs	
3000806035	Cuvettes	1000ul micro cell; central-beam height:8.5mm;15mm; 3x10x45mm; quartz	/1pc	
3000806036	Software	Dongles for 31.61 application software ; (UV analyst software)	/1set	
3000806037	Software	Software (m.wave basic)	/1set	
3000806038	Software	Software	/1set	
3000806039	Software	Advanced PC window software (m.wave professional)	/1set	
3000806040	Software	Software (m.wave basic)	/1set	
3000806041	Holder	Cell holder for micro cells; Central beam height: 15mm		
3000806042	USB connector line	USB connector line (only for m.wave basic)	/1pc	
3000806043	Quartz Cuvette	Cell; 100ul; 1pcs; central beam height: 15mm		10
3000806044	Quartz Cuvette	Cell; 200ul; 1pcs;central beam height:15mm		10
3000806045	Cuvette	Flow cell; 5 mm; optical glass; 1pcs;central beam height:15mm; 15xw2xh5mm		
3000806046	Cuvette	Flow cell; 10 mm; optical glass; 1pcs;central beam height:15mm; 110xw2xh5mm		
3000806047	Cuvette	Flow cell; 20 mm; optical glass; 1pcs;central beam height:15mm;120xw2xh5mm		
3000806048	Cuvette	Flow cell; 30 mm; optical glass; 1pcs;central beam height:15mm; 130xw2xh5mm		
3000806049	Cuvette	Flow cell; 5 mm; quartz; 1pcs; central beam height:15mm; 15xw2xh5mm		
3000806050	Cuvette	Flow cell; 20 mm; quartz; 1pcs; central beam height:15mm; 120xw2xh5mm		
3001807006	Other	A-102 peltier system; constant-temperature system; holder beam height:15mm		
3000806052	Other	A-100 peltier/sipper system; constant-temperature sipper system; holder beam height:15mm		
3001808008	Holder	4-cell holder for 10mm to 50mm square cuvette		
3001806009	Holder	4-cell holder for up to 100mm square cuvette		
3000806054	Holder	10mm water-jacketed 4-cell holder		

3000806055	Holder	Test tube holder( $\Phi$ 8- $\Phi$ 22mm)		
3000806056	Holder	Solid sample holder( $\delta$ 1.5mm-3mm; 1-position)		
3000806057	Silicon tube	Silicon tube; 1bag=1pair(1m+1m)	/1bag	
3000806060	Glass cuvettes	Square cuvettes; volume:900ul		2
3000806061	Glass cuvettes	Square cuvettes; volume:450ul		1
3000806062	Quartz cuvettes	Square cuvettes; volume:1800ul	/2pcs	5



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