



SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BSSBV-202-B

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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.

BSSBV-202-B 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-202-B |
| Wavelength Range | 200-1000nm |
| Wavelength Accuracy | $\pm 1\text{nm}$ |
| Wavelength Repeatability | 0.5 nm |
| Spectral Bandwidth | 2 nm |
| Wavelength setting | Auto |
| Spectral Resolution | 0.1 nm |
| Photometric Range | -0.3-3 A, 0-200 %T, 0-9999C |
| Photometric Accuracy | $\pm 0.5\%T$ |
| Photometric Repeatability | 0.3%T |
| Stability | $\pm 0.002\text{ A/hr}$ at 500 nm |

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|--------------------|-------------------------------------|
| Baseline Flatness | None |
| Stray Light | ≤0.3%T |
| Photometric Mode | T, A, C, F |
| Optical System | Single Beam , Grating 1200 lines/mm |
| Detector | Silicon Photodiode |
| Display | 128*64 Dots LCD |
| Light Source | Tungsten & Deuterium lamp |
| Output | USB Port & Parallel Port(Printer) |
| Dimension (W/D/H) | 420x280x180 mm |
| Weight | 12kg |
| Power Requirements | AC 85~250V |

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 |

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|------------|--------------------------|---------------|---|
| 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 | |



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