

Single Beam Microprocessor UV Vis Spectrophotometer 294 with Scanning Software Brand- **BIOGENIX®**

DESCRIPTION

Microprocessor UV-VIS Spectrophotometer is a solid state microcontroller based instrument designed for quick and accurate spectrophotometric analysis of any concentration. It operates at a wavelength range of 190 nm to 1100 nm. The instrument uses the latest microprocessor technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility. The instrument is equipped with 128 x 64 dots large graphical LCD the makes the result easy to read. User can see the standard curve on-screen. The system has soft touch numeric keys with complete numeric key that provides a convenient interface for entering numeric values. Professional PC software is optional for extending the functionality to wavelength scanning and DNA/Protein analysis (at extra cost).



Features :

- Unique optical system, 1200 lines/mm grating and imported receiver to ensure its sound performance.
- The instrument is supplied with PC software expands the capabilities of the instrument includes
- Photometric analysis, Quantitative analysis, Spectral scanning, Kinetics, DNA/protein analysis,
- Multi-wavelength test, etc.
- Adopts 51 microcomputer system and store 200 test data and 100 standard curves;
- Plug type deuterium lamp and tungsten lamp transfer lamps without optics debugging.



Cuvettes holders

Large Sample Compartment can accommodate 5-100 mm path length cuvettes with optional holders. The instrument is supplied with a 4 position 10mm cell changer.

Standard Configuration

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|--|---------|
| ✓ Main Set | : 1 no. |
| ✓ USB Cable | : 1 no. |
| ✓ Accessory kit. Including a 4 glass cell (1 cm) | : 1 no. |
| ✓ 2 Quartz Cell (1 cm) | : 1 no. |
| ✓ Operating Manual Software | : 1 no. |
| ✓ Manual Dust Cover | : 1 no. |
| ✓ Software CD | : 1 no. |
| ✓ Software key | : 1 no. |
| ✓ Power Cable | : 1 no. |

Technical Specification

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|-----------------------------------|--|
| Model | BSSB-294 |
| Optical system: | Single Beam, Grating 1200 lines/mm, CT grating monochromator |
| Wavelength range: | 190 nm-1100nm |
| Wavelength accuracy: | 2 nm |
| Spectral bandwidth | 1nm |
| Wavelength repeatability: | <=0.2 nm |
| Stray light: | 0.15%T |
| Photometric accuracy: | 0.5%T |
| Photometric repeatability: | 0.2%T |
| Stability: | 0.0002A/h @500nm |
| Baseline Flatness: | 0.002 A |
| Noise: | 0.001 A |
| Wavelength Setting : | Auto |
| Light Source : | Imported Deuterium & Tungsten lamp |
| Work Pattern: | T, A, C |
| Display : | 128*64 LCD |
| Display modes: | 4 LCD |
| Shipping Size : | 700*580*340mm |
| Weight: | 20 kg |

Application

- ❖ Medicine/Pharmaceutical Industry
- ❖ Commodity Inspection
- ❖ Agricultural Chemistry
- ❖ Metallurgy, Geology
- ❖ Petrochemical Industries
- Environmental Monitoring
- Food & Beverage Industry
- Teaching in Colleges & Universities
- Machine Manufacturing
- Water and Waste Water Labs

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