

## UVVIS-1911SB UV-VIS Single Beam Spectrophotometer



New technology 1911SB single beam UV/VIS spectrophotometer successfully realizes high accuracy and reliability measurement to meet various application requirements.

It can be used extensively for qualitative and quantitative analysis in such fields as biochemical research and industry, pharmaceutical analysis and production, education, environmental protection, food industry, clinical examination, sanitation and antiepidemic, etc.

### Features;

- Scan type, single beam spectrophotometer with wide wavelength range, satisfying requirements of various fields.
- Three options for spectral bandwidth selection : 5nm, 2nm and 1nm, made according to customer's need and satisfy the requirements of pharmacopoeia.
- Standard manual 4-cell holder accommodates cells from 5-50mm and changeable to long path length cell holder of 100mm.
- Optimized optics and electronics design, light source and detector from the world famous manufacturer ensure high performance and reliability.
- Rich measurement methods: wavelength scan, time scan, multi-wavelength determination, multi-order derivative determination, double-wavelength method and triple-wavelength method etc., meet different measurement requirements.
- Data output can be obtained via a printer port.
- Parameters and data can be saved in case of power failure for user's convenience.
- PC controlled measurement can be achieved via RS-232 interface (USB port) for more accurate and flexible requirements.

### Technical Specifications:

<b>Model</b>	<b>UVVIS-1911SB</b>
Wavelength Range	190 - 1100nm
Spectral Bandwidth	2nm (5nm, 1nm optional)
Wavelength Accuracy	±0.5nm
Wavelength Reproducibility	0.2nm
Monochromator	Single beam, plane grating of 1200L/mm
Photometric Accuracy	±0.5%T (0-100%T), ±0.002A (0-0.5A), ±0.004A (0.5A - 1A)
Photometric Reproducibility	0.2%T
Working Mode	T, A (-0.3-3A), C, E
Stray Light	≤0.05%T(NaI, 220nm, NaNO <sub>2</sub> 360nm)
Baseline Flatness	±0.002A
Stability	≤0.002A/h (at 500nm, after warming up)
Noise	±0.001A (at 500nm, after warming up)
Detector	Silicon photo-diode
Display	6" high light blue LCD
Power	AC 220V/50Hz, 110V/60Hz, 140W
Dimension (WxDxH)	530x410x210mm
Packing Dimensions	620x520x400mm
Net / Gross Weight	18 / 22 Kg