

## UV-1800 UV/VIS Spectrophotometer



### **Features:**

- 1 Scan type spectrophotometer with wide wavelength range, satisfying requirement of various fields.
- 2 Three options for spectral bandwidth selection: 5nm, 2nm, 1nm, made according to customer's need and satisfy the requirements of pharmacopoeia
- 3 Manual 4-cell holder accommodates long path length cells up to 100mm.
- 4 Optimized optics and electronics design, light source and detectors from the world famous manufacturer ensure high performance and reliability
- 5 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 requirement
- 6 Data output can be obtained via a printer port and a RS-232 interface (RS485 and USB port optional)
- 7 Parameters and date can be saved for user's convenience
- 8 PC controlled measurement can be achieved for more accurate and flexible requirement

### **Specifications:**

Wavelength Range:	190-1100nm
Spectral Bandwidth:	2nm(5nm, 1nm optional)
Wavelength Accuracy:	±0.5nm

Wavelength Reproducibility:	0.2nm
Photometric Accuracy:	$\pm 0.5\%T(0-100\%T)$ , $\pm 0.002A(0-0.5A)$ , $\pm 0.004A(0.5A-1A)$
Photometric Reproducibility:	0.2%T
Working Mode:	T, A(-0.33A), C, E
Stray Light:	$\leq 0.1\%T(\text{NaI}, 220\text{nm}; \text{NaNO}_2, 340\text{nm})$
Baseline Flatness:	$\pm 0.002A$
Stability:	$\leq 0.002A/h$ ( at 500nm, after warming up)
Noise:	$\pm 0.001A$ (at 500nm, after warming up)
Detector:	Silicon photo-diode
Display:	6 inches high light blue LCD
Power:	AC:220V/50Hz, 110V/60Hz, 140W
Dimensions:	530x410x210mm
Weight:	18kg