

UV-1800 UV/VIS Spectrophotometer

Features:

- Scan type spectrophotometer with wide wavelength range, satisfying requirement 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.
- Manual 4-cell holder accommodates long path length cells up to 100mm.
- Optimized optics and electronics design, light source and detectors 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 requirement.
- Data output can be obtained via a printer port and a RS-232 interface (RS485 and USB port optional).
- Parameters and data can be saved for user's convenience.
- 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: $\pm 0.5\text{nm}$
- 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 (-0.3-3A), C, E
- Stray Light: $\leq 0.1\%T$ (NaI, 220nm; NaNO₂, 340nm)
- 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

