

UV-1601 UV/VIS Spectrophotometer

Features:

- Wide wavelength range, satisfying requirements of various fields.
- The split-beam ratio monitoring system provides accurate measurements and enhances baseline stability.
- Five options for spectral bandwidth selection, 5nm, 4nm, 2nm, 1nm and 0.5nm, made according to customer's need and satisfying the requirements of pharmacopoeia.
- Fully automated design, realizing the simplest measurement.
- Optimized optics and large scale integrated circuits design, light source and receiver from world famous manufacturer all add up to 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.
- Automatic 10mm 8-cell holder, changeable to automatic 5mm-50mm 4-position cell holder for more choices.
- 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, 4nm, 1nm, 0.5nm optional)
- Wavelength Accuracy: ± 0.3 nm
- Wavelength Reproducibility: 0.15nm
- Photometric System: Split-beam ratio monitoring; Auto scan; Dual detectors
- Photometric Accuracy: $\pm 0.3\%T$ (0-100%T)
 $\pm 0.002A$ (0~0.5A)
 $\pm 0.004A$ (0.5A~1A)
- Photometric Reproducibility: 0.2%T
- Working Mode: T, A, C, E
- Photometric Range: -0.3-3A
- Stray Light: $\leq 0.1\%T$ (NaI, 220nm, NaNO₂ 340nm)
- Baseline Flatness: $\pm 0.002A$
- Stability: 0.001A/30min (at 500nm, after warming up)
- Noise: $\pm 0.001A$ (at 500nm, after warming up)
- Display: 6 inches high light blue LCD
- Detector: Silicon photodiode
- Power: AC: 220V/50Hz, 110V/60Hz, 180W
- Dimensions: 630×470×210mm
- Weight: 26kg

