

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.
- ◆ Four options for spectral bandwidth selection, 5nm, 4nm, 2nm and 1nm, made according to customer's need and satisfying the requirements of pharmacopoeia.
- ◆ Fully automated design, realizing easy 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.
- ◆ 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.

SPECIFICATIONS:

- ◆ Wavelength Range: 190-1100nm
- ◆ Spectral Bandwidth: 2nm (5nm, 4nm, 1nm optional)
- ◆ Wavelength Accuracy: $\pm 0.3\text{nm}$
- ◆ 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