

UV-1800

UV/VIS Spectrophotometer



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.

SPECIFICATIONS:

- ◆ Wavelength Range: 190-1100nm
- ◆ Spectral Bandwidth: 2nm (5nm, 1nm optional)
- ◆ Wavelength Accuracy: ± 0.5 nm
- ◆ Wavelength Reproducibility: 0.2nm
- ◆ Monochromator: Single beam, plane grating of 1200L/mm
- ◆ 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