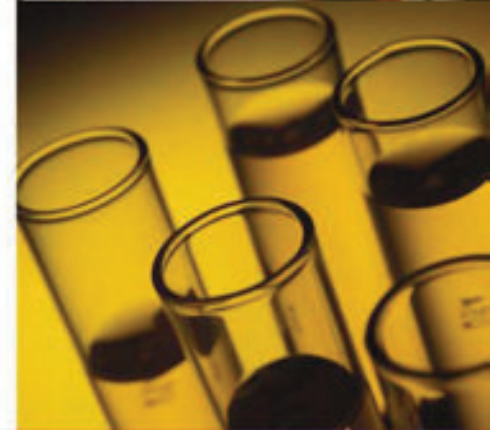


UV/VIS



## UV-2601 Double Beam UV/VIS Spectrophotometer

The newly designed double beam UV-2601 UV/VIS spectrophotometer successfully realizes high accuracy and reliability measurement to meet various application requirements. It can be used extensively for qualitative and quantitative analysis in such fields as biochemical research and industry, pharmaceutical analysis and production, education, environmental protection, food industry, clinical examination, sanitation and antiepidemic etc..

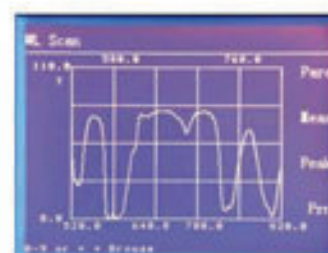


## Features:

- Wide wavelength range, satisfying requirements of various fields.
- 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-posion 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:  $\pm 0.3\text{nm}$
- Wavelength Reproducibility:  $\leq 0.15\text{nm}$
- Optical System: Double beam
- Photometric Accuracy:  $\pm 0.3\%T$  (0~100%T),  $\pm 0.002A$  (0~1A)
- Photometric Reproducibility:  $\leq 0.15\%T$
- Working Mode: T, A, C, E
- Photometric Range: -0.3-3.5A
- Stray Light:  $\leq 0.1\%T$ (NaI, 220nm, NaNO<sub>2</sub> 340nm)
- Baseline Flatness:  $\pm 0.002A$
- Stability:  $\leq 0.001A/h$  (at 500nm, after warming up)
- Noise:  $\pm 0.001A$  ( at 500nm, after warming up)
- Display: 6 inches high light blue LCD
- Detector: silicon photo-diode
- Power: AC 220V/50Hz, 110V/60Hz, 180W
- Dimensions: 630x470x210mm
- Weight: 26kg



Wavelength	Transmittance (%)	Absorbance	Parameter
1	64.0	0.194	Error
2	53.8	0.269	
3	42.9	0.367	Para
4	34.3	0.465	
5	19.7	0.705	Para

