



- Automatic wavelength settings
- 7-inch multi color touch-screen
- Sample compartment for 5-100mm cuvettes
- Equipped with USB port
- Precise automatic T/A changeover
- Internal printer optional
- Automatic zero and full-scale adjustment
- Software optional
- Direct concentration read-out and concentration factor setting function

Applications

Novel series spectrophotometer, being combined with an ARM processed core, has test speeds and functions possessed by high-end instruments. The instrument can meet the requirement of quantitative analysis for most samples conducted within the visible and ultraviolet-visible spectral range in conventional laboratories and is suitable for use in medicine and health, clinical examination, biochemical, petrochemical, environmental protection, quality control departments, colleges and universities and others.

Features

- 7-inch multi color touch-screen and patented technology to achieve simple and effective human-computer interaction with a clear display of test data.
- A built-in thermal printer (optional) to achieve printout of test results so as to facilitate the formation and retention of data reports.
- A USB communication port and UVWIN8 professional data processing software (optional) to achieve data processing and mapping functions and storage of massive amounts of data files, and to facilitate the secondary development by customers.
- Automatic wavelength setting, fast and accurate.
- Functions such as wavelength scanning (S model only), kinetic time scanning, automatic wavelength, linear regression, direct read-out of concentration, peak detection, regular printing etc.
- Advanced power shut-down protection measures to memorize detected data, regression equation and instrument correction parameters to achieve fast initialization.
- Tungsten lamp and deuterium lamp (UV model only) with lifetime protection.

Product Name	UV-VIS Spectrophotometer	
Photometry	Single Beam	
Monochromator Type	Czerny-Turner	
Focal Length	160mm	
Grating	1200 lines/mm	
Detector	Silicon Photocell	
Spectrum Bandwidth	2nm	
Wavelength Setting	7-inch color touch-screen	
Wavelength Range	190-1100nm	
Wavelength Accuracy	±1nm	
Wavelength Repeatability	≤0.5nm	
Scanning Speed	Fast-Medium-Slow	/
Photometric Range	0.0-200.0%T; -0.301-4.000A; 0.000-9999C	
Photometric Accuracy	±0.3%T; ±0.002Abs (0-0.5A); ±0.004 Abs (0.5-1A)	
Photometric Repeatability	≤0.15%T ; 0.001 Abs (0-0.5A) ; 0.002 Abs (0.5-1A)	
Baseline	≤±0.003A (200-1090nm)	/
Stray Light	≤0.1%T(at 220nm NaI,360nm NaNo2)	
Noise	100% (T) noise≤0.5%(T) , 0% (T) noise≤0.2%(T)	
Drifting	±0.002 Abs/30min (at 250nm and 500nm after 2h warm up)	
Power	AC220V±22V 50Hz±1Hz,180W	
Packaging Size	630mm X535mm X 405mm 0.14M3	
G.W.	21kg	

Standard Accessories	Operation manual 1pcs
	Glass cuvette 1cm 4pcs
	Quartz cuvette 1cm 2pcs
	Power cable 1pcs
	Fuse 2pcs
Optional Accessories	Thermal printer
	Cuvette holder 50mm
	Spectrum Data Processing Software