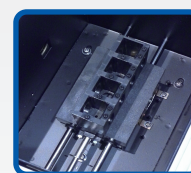


N4S/N4 UV-VIS Spectrophotometer N2S/N2 VIS Spectrophotometer



- Automatic wavelength settings
- Sample compartment for 5-50mm cuvettes
- Precise automatic T/A changeover
- Automatic zero and full scale adjustment
- Direct concentration read-out and concentration factor setting function
- 7 inch multi color touch screen
- Equipped with USB port
- Internal printer optional
- Software optional

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.

Common Features

- 1、7 inch multi color touch screen and patented technology to achieve simple and effective human-computer interaction with a clear display of test data.
- 2、A built-in thermal printer (optional) to achieve printout of test results so as to facilitate the formation and retention of data reports.
- 3、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.
- 4、Automatic wavelength setting, fast and accurate.
- 5、Functions such as wavelength scanning (S model only), kinetic time scanning, automatic wavelength, linear regression, direct read-out of concentration, peak detection, regular printing and etc.
- 6、Advanced power shut-down protection measures to memorize detected data, regression equation and instrument correction parameters to achieve fast initialization.
- 7、Tungsten lamp and deuterium lamp (UV model only) with lifetime protection.

Specifications

	N4S	N4	N2S	N2
Photometry	Single Beam			
Monochromator Type	Czerny-Turner			
Focal Length	160mm			
Grating	1200 lines/mm			
Detector	Silicon Photocell			
Spectrum Bandwidth	2nm		4nm	
Wavelength Setting	7-inch color touch-screen			
Wavelength Range	190-1100nm		325-1100nm	
Wavelength Accuracy	±1nm			
Wavelength Repeatability	≤0.5nm			
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)		±0.5%T	
Photometric Repeatability	≤0.15%T 0.001 Abs (0-0.5A) 0.002 Abs (0.5-1A)		≤0.2%T	
Scanning Speed	Fast-Medium-Slow	○	Fast-Medium-Slow	○
Baseline	≤±0.003A (200-1090nm)	○	≤±0.003A (335-1090nm)	○
Stray Light	≤0.1%T (at 220nm NaI, 360nm NaNo ₂)		≤0.1%T (at 360nm NaNo ₂)	
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)		±0.002 Abs/30min (at 500nm after 2h warm up)	
Power	AC220V±22V 50Hz±1Hz,180W		AC220V±22V 50Hz±1Hz,100W	
Packaging Size	540mm X440mm X 300mm 0.071M ³ 18kg			

Standard Accessories

User manual	1pc
1cm glass cuvette	4pcs (N2,N2S only)
1cm quartz cuvette	2pcs (N4,N4S only)
Power cable	1pc

Optional Accessories

Internal Thermal printer
50mm cuvette holder
UV WIN8 software

