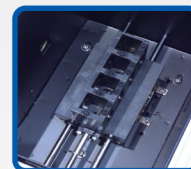


N4S/N4 UV-VIS Spectrophotometer

N2S/N2 VIS Spectrophotometer



- Automatic wavelength settings
- Sample compartment for 5-100mm 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 | 630mm X535mm X 405mm 0.14M ³ 21kg | | | |

Standard Accessories

| | |
|--------------------|----------------------|
| User manual | 1pc |
| Glass cuvette 1cm | 4pcs |
| Quartz cuvette 1cm | 2pcs (N4,N4S only) |
| Power cable | 1pc |
| Fuse | 2pcs |

Optional Accessories

- Internal Thermal printer
- UV WIN8 Spectrum data processing software
- Cuvette holder 50mm
- Cuvette holder 100mm

