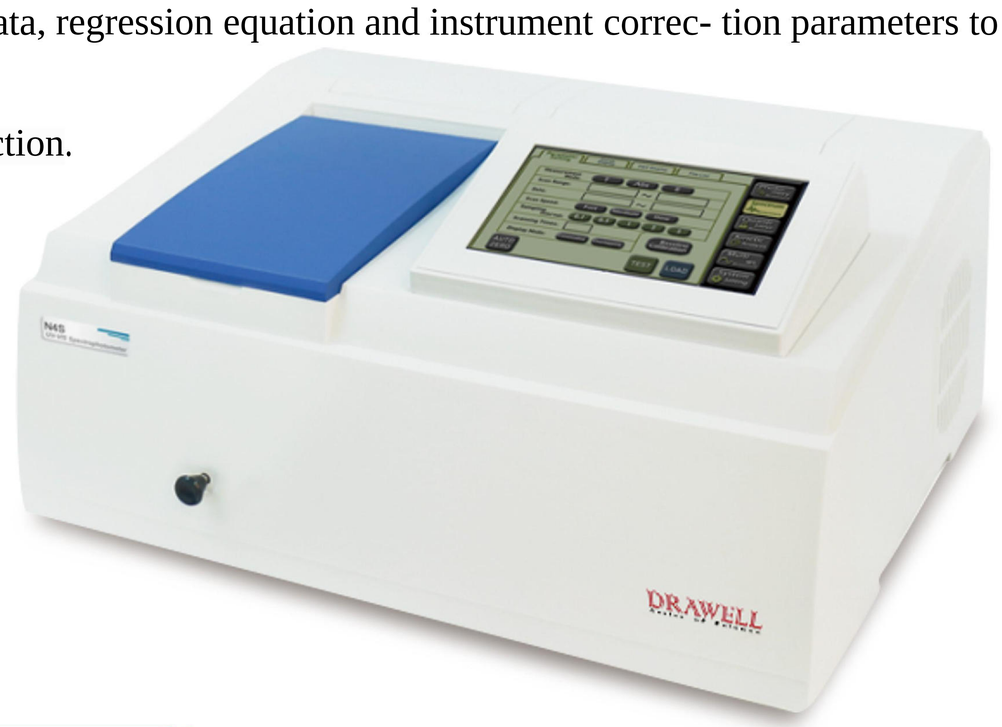
N4S UV-VIS Spectrophotometer

N4S UV-VIS 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.

- 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 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 and etc.
- Advanced power shut-down protection measures to memorize detected data, regression equation and instrument correc- tion parameters to achieve fast initialization.
- Tungsten lamp and deuterium lamp (UV model only) with lifetime protection.

Main Features

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



Specifications

Photometry:	**Split 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**
Stray Light :	**≤0.1%T(at 220nm Nal, 360nm NaNo2)**
Photometric Range:	**0.0-200.0% T, -0.301-4.000 A, 0.000-9999 C**
Photometric Accuracy:	**±0.5% T, ±0.004 Abs (0-0.5A), ±0.008 Abs (0.5-1A)**
Photometric Repeatability:	**≤0.2% T, 0.002 Abs (0-0.5A), 0.004 Abs (0.5-1A)**
Baseline:	**≤±0.002 A(200-1090nm)**
Noise:	**100% (T) noise≤0.2%(T) , 0% (T) noise≤0.1%(T)**
Drifting:	**≤0.004 Abs/h (at 250nm and 500nm after 2h warm up)**
Power:	**AC220V±22V 50Hz±1Hz, 180W**
Packaging Size:	**630mm X 535mm X 405mm 0.14M^3 21kg**

Standrad Accessories

- Operation manual 1pc
- Thermal Plotter lpc
- Glass cuvette 10mm 4pcs
- Quartz cuvette 10mm 2pcs
- Power cable lpc
- Fuse 2pcs
- Cuvette holder 10mm

Optional Accessories

- UV WIN 8 station pro software
- Cuvette holder 50mm 100mm
- Cuvette 20mm 30mm 50mm 100mm