



NOVEL4S UV/Vis Scanning Spectrophotometer 190-1100nm



LCD Touch Screen



Auto Scanning



Single Beam



Smart WI FI

Download
Catalogue



Single Beam,

NOVEL4/4S is UV/Visible spectrophotometer, combined with ARM processing core. Automatic wavelength makes the instrument have the test speed and function of high-end instruments. It can meet the qualitative and quantitative analysis of most samples in the visible spectrum range of conventional laboratories. It is suitable for application in the departments of medicine and health, clinical examination, biochemistry, petrochemical industry, environmental protection and quality control.

Technical Specification:

- 7-inch color touch screen, realize simple and effective human-computer interaction, and clearly display test data and scan results.
- Built-in thermal printer (optional), to achieve the printout of test results, facilitates the formation and storage of data reports.
- USB communication port and included UVwin8 visible spectrum software, realize data and map processing functions, and storage of massive data files, and provide convenience for customers' secondary development.
- With full-band scanning, sub-band scanning, dynamic time scanning, automatic wavelength adjustment, automatic empty probe measurement, auto zero, linear regression, concentration direct reading, peak and valley detection, timing printing and other functions.
- Advanced power-off protection measures can memorize test data, scan spectrum, regression equations and instrument correction parameters to achieve rapid initialization.
- Automatic light door technology, no need for black body, protect photoelectric sensor.

Options:

- Built-in thermal printer
- COLO spectrum software Included
- 5cm or 10cm cuvette holder manual or automatic (optional)
- Standard 4x1cm cuvette holder included (automatic is optional)

Power Supply:

- Power supply voltage: AC220V \pm 10%V 50Hz-60Hz
- Rated power: 100W



Wi Fi UV Lamp control

To ensure a longer lifespan of the UV lamp, with a built-in WI FI control connection, you can turn it on or off separately via your android device or by touch screen - Optional



LCD Touch Screen Digital Display

7 inch capacitive touch screen, to display curve, import test data, setting parameters



Professional Software

Professional Novel 4S Software is a standard configuration



Manual or Automatic Cell Holder

From micro cell to macro cell 100mm large 4 or 8 places manual or automatic cell change control



Human Interface with Help menu

Built in help menu provide shortcut to the important information about main instruments parameter

Type	NOVEL4		NOVEL4S	
Price				
Wavelength settings	Auto wavelength settings		Auto wavelength settings, Scanning	
Optical System	Single Beam, Optical grating 1200 lines/mm			
Wave Length Range	190-1100			
Spectral Bandwidth nm	2nm			
Wavelength Accuracy	±0,5nm			
Wavelength Repeatability	≤0,3nm			
Photometric Accuracy	0,5%T ± 0.004Abs (0 ~ 0.5A)		± 0.008Abs (0.5 ~ 1A)	
Photometric Repeatability	≤0.2% T 0.002Abs - (0 ~ 0.5A)		0.004Abs (0.5 ~ 1 A)	
Photometric Range	0-200%T-0,3-3A - -0,301 ~ 4,000A - 0,000 ~ 9999C			
Stray Light	≤0.1% (T) (at 360nm, measured with NaNO2)			
Baseline Flatness	±0,002A	±0,002A	±0,002A	±0,002A
Noise	100% (T) ≤0.2% (T) 0% (T) ≤0.1% (T)			
Baseline drift	0.003Abs / 0.5h			
Stability	0,002A/h at 500nm			
Wavelength Setting	Auto			
Work Mode	Multi-Function - Photometric, Quantitative, Spectral Scanning, Kinetics, DNA/protein...			
Light Source	Deuterium (D2)/Tungsten Lamp			
Wavelength scanning speed	fast, medium and slow			
Display	7" LCD Color Touch Screen			
Storage memory	200 different curve			
Detector	Silicon Photodiode			
Output	USB, Printer port			
Power	AC220V/50Hz 100W			
Shipping Size	520*450*320 mm			
Gross weight	10kg			
Standard Configuration	Professional Software , Euro plug power cable, 4 pcs glass cuvette, 2 pc quartz cuvette, Instruction manual,			
Option	Built in printer, WIFI temperature on main board measurement, WIFI temperature inside instrument measurement, WIFI deuterium lamp control, Notebook with software for NOVEL4S control, Smart Phone			

Please note

If this Spectrophotometer does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

COLO LabExperts



Laboratory Equipment production and Distribution

www.colo.si

Presernov Trg 9

8000 Novo Mesto

Slovenia

tel. +386 590 48 880 E-mail: office@colo.si

www.colo.si

© 2020 COLO Technical Specification