



LEGEND UV/Vis Scanning Spectrophotometer 190-1100nm



LCD Touch Screen



Auto Scanning



S/Double Beam



Smart WI FI

Download Catalogue



Single/Double Beam,

Price - €

LEGEND 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:

- 10,1-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.
- Built in help menu provide shorts to the important information about main instruments parameter - dark current, WL Calibration, Slit, Time&Date, Lamp, File System, USB disk...
- With full-band scanning, sub-band scanning, dynamic time scanning, automatic wavelength adjustment, automatic empty probe measurement, baseline correction, auto zero, linear regression, concentration direct reading, peak and valley detection, automatic concentration determination by the calibration curve, calibration curves of the first, second and third order, measurement in the time interval from 1 to 9,999 s/min, 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
- Legend UV/Vis visible spectrum software Included (PC control spectrophotometer)
- Professional Software provides complete processing and archiving
- 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 - option

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



LCD Color Touch Screen Digital Display

10,1 inch color capacitive touch screen, to display curve, import test data, setting parameters



Professional Software

Professional LEGEND 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	LEGEND-300
Optical System	Double Beam, Optical grating 1200 lines/mm
Wave Length Range nm	190-1100nm
Spectral Bandwidth nm	1nm
Wavelength Accuracy	±0,3nm (for entire range), ±0,05nm (656,1nm)
Wavelength Repeatability	±0,1nm
Wavelength Adjustment	0,1nm
Photometric Accuracy	±0,002Abs at 0,5 Abs, ±0,006Abs at 2,0Abs
Photometric Repeatability	±0,00002Abs at 0,5 Abs, ±0,00003Abs at 1,0Abs
Photometric Range	0-400%T, -4~4Abs, 0-9999C (0-9999F)
Stray Light	<=0,004% (at 220nm), <=0.15% (at 198nm),
Scan speed	4000 to 2 nm/min, 30000 nm/min when survey scanning
Stability	≤±0,0003Abs/h at 700nm
Baseline Flatness	±0,0002Abs
Baseline Stability	±0,0002Abs / h (at 700nm)
Noise	<0,00001Abs at 700nm
Wavelength Setting	Auto
Measuring Mode	%T, Abs, C, E Multi-Function - Photometric, Quantitative, Spectral Scanning, Kinetics, time-scan, DNA/protein...
Full Spectrum Analyse	
Scanning mode	Subtraction and addition of spectrum, Peak/Valley detection, selection, peak area, peak overlap...
Light Source	Deuterium (D2)/Tungsten-Halogen Lamp
Lamp interchange wavelenght	Automatic interchange linked to wavelenght, the interchange wavelenght can be set freely in the range of 295 to 364nm
Wavelength scanning speed	fast, medium and slow
Display	10.1" TFT Color Capacitive Touch Screen
Detector	Silicon Photodiode
Output	USB Host/USB Drive/RS232/SD Card
Power	AC220V/50Hz 100W
Instrument Size	590*475*250mm
Packing Size	810*660*390mm
Gross weight / Net Weight (kg)	20/33
Standard Configuration	Spectrophotometer with Euro plug power cable, 4 pcs glass cuvette, 2 pc quartz cuvette, Instruction manual
Option	Built in printer, SD card, 5mm to 100mm variable OP up to eight place cuvette holder

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

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