



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.
- Internal software provide data and methods storage
- Automatic concentration determination via calibration curve
- USB communication port and included LEGEND 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
- Baseline stability correction
- Single/Multi wavelength measurement

Options:

- Built-in thermal printer
- Legend UV/Vis visible 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 - 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 Touch Screen Digital Display

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



Professional Software

Professional LEGEND Software provide full control, acquisition, data storage and processing,



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-100	LEGEND-150	LEGEND-150S	LEGEND-200	LEGEND-250	LEGEND-250S
Optical System	Single Beam, Optical grating 1200 lines/mm			Double Beam, Optical grating 1200 lines/mm		
Wave Length Range nm	190-1100nm					
Spectral Bandwidth nm	2nm	1nm	0,5/1/2/4/5nm	2nm	1nm	0,5/1/2/4/5nm
Wavelength Accuracy	±0,3nm m (For entire range) ± 0.1 nm (656.1 nm)					
Wavelength Repeatability	≤0,1nm					
Photometric Accuracy	± 0.0025 A at 1.0 Abs					
Photometric Repeatability	± 0.0002 at 0.5 A ± 0.0006 at 1.0 A ± 0.001 at 2.0 A					
Photometric Range	0-400%T, -4to4A, 0-9999C (0-9999F)					
Stray Light	≤0.02%T (at 220nm)					
Scan speed	max 4,000 nm/min					
Stability	≤±0,0005A/h at 500nm			≤±0,0003A/h at 500nm		
Baseline Flatness	±0.0002A		±0.0001A	±0.0002A		±0.0001A
Noise	0,00005 Abs at 700nm					
Baseline Stability	< 0.0003 Abs/h					
Wavelength Setting	Auto					
Measuring Mode	%T, Abs, C, E Multi-Function - Photometric, Quantitative, Spectral Scanning, Kinetics, 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					
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 x 250mm		760*560*280mm	590*475*250mm		760*560*280mm
Packing Size	810*660*390mm		880*690*520mm	810*660*390mm		880*690*520mm
Gross weight / Net Weight (kg)	20/33		28/47	20/33		28/47
Standard Configuration	Spectrophotometer with Euro plug power cable, 4 pcs glass cuvette, 2 pc quartz cuvette, Instruction manual,					
Option	Built in printer, professional LEGEND software, 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



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