



MAVRICA-900 Double Beam UV/Vis Spectrophotometer

0,5/1/2/4/5nm Spectral Bandwidth, Manual Cell Holder

 Single Beam

 Smart WI FI

Download
Catalogue



MAVRICA-900 series spectrophotometer is designed to meet high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industry, .. The latest ARM system and long optical system ensure high accuracy and good stability of the instrument. They are the best choice of high quality spectrophotometer. MAVRICA-19 it has a smoother appearance design, smart color schemes, blue-lit LCD display ellipse control buttons, and oval-shaped key-press design, which is very easy to operate.

Features:

- Adopts 320*240 dot-matrix LCD screen and menu display.
- Can adjust automatically 0%A and 100%.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
- Large sample compartment, it can accommodate 5-100mm path length cuvettes OP.
- Plug type deuterium lamp and tungsten lamp transfer lamps without optics debugging.
- USB signal output interface, use professional software (optional) can realize functions of quantitative analysis, dynamic testing, with optional printer.
- The screen shows wavelengths, clear and accurate readings, wavelength the smallest show on 0.5nm, to change the traditional way of reading the dial.
- Automatic control of the switching of deuterium and tungsten lamp, automatic wavelength calibration, manual wavelength setting. Store 200 groups of measuring data and 50 groups of standard curve.
- Wi-Fi lamp control system – optional
- Auto 8 cell holder - optional



Wi Fi Lamp control

To ensure a longer lifespan of the 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 Screen Digital Display



Professional Software – Optional

Professional COLO Software is a standard configuration



Manual Cell Holder

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



USB/RS232 Printer port

Type	MAVRICA-900	MAVRICA-900P	MAVRICA-900S	MAVRICA-902	MAVRICA-902P	MAVRICA-902S
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					
Wavelength Repeatability	≤0,1nm					
Photometric Accuracy	0,3%T (0-100%T)					
Photometric Repeatability	0,1% T (0-100%T)					
Photometric Range	0-200%T; -0,3-3A					
Stray Light	≤0.03%T (at 360nm)					
Stability	≤±0,0005A/h at 500nm			≤±0,0003A/h at 500nm		
Baseline Flatness	±0,001A					
Noise	±0,0015 A			±0,0010 A		
Baseline drift	0.003Abs / 0.5h					
Wavelength Setting	Auto					
Work Mode	T, A, C, E Multi-Function - Photometric, Quantitative, Spectral Scanning, Kinetics, DNA/protein...					
Light Source	Deuterium (D2)/Tungsten-Halogen Lamp					
Wavelength scanning speed	fast, medium and slow					
Display	7" color LCD					
Detector	Silicon Photodiode					
Output	USB, RS232					
Power	AC220V/50Hz 100W					
Instrument Size/Shipping Size	590*475*250mm / 770*630*340 mm					
Gross weight	26kg					
Standard Configuration	Spectrophotometer with Euro plug power cable, 4 pcs glass cuvette, 2 pc quartz cuvette, Instruction manual,					
Option	Built in printer, professional software, Wi-Fi lamp 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



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