MAVRICA-17 UV/Vis Spectrophotometer

2 nm Spectral Bandwidth, Manual Cell Holder

Single Beam

Smart WI FI

Download Catalogue

MAVRICA-17 Series of UV/Visible and 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 128*64mm dot-matrix LCD screen and menu display.
- Can adjust automatically 0%A and 100%.
- Large sample compartment, it can accommodate 5-100mm path length cuvettes.
- 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. Independent switching on/of D2 and Tungsten Lamp. Automatic wavelength calibration, manual wavelength setting. Store 200 groups of measuring data and 200 groups of standard curve.
- Optional accessories:
- Wi-Fi Deuterium lamp control system – optional
- Thermostatic cuvette holder
- Interna thermal printer

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

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 (auto cell holder is optional)
Maximum cuvette capacity 35,000ml

USB/RS232 Printer port

Type	MAVRICA-17V	MAVRICA-17U	MAVRICA-17A	MAVRICA-17D
Price				
Optical System	Single Beam, Optical grating 1200 lines/mm	Single Beam, Optical grating 1200 lines/mm	Single Beam, Optical grating 1200 lines/mm	Double Beam, Optical grating 1200 lines/mm
Wave Length Range	330-1100	190-1100	190-1100	190-1100
Standard Cell Holder	Manual cell holder 4x10mm	Manual cell holder 4x10mm	Auto cell Holder 8x10mm	Manual cell holder 4x10mm
Spectral Bandwidth nm	2nm			
Wavelength Accuracy	±0,5nm			
Wavelength Repeatability	≤0,1nm			
Photometric Accuracy	0,3%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	≤0,05% (T) (at 360nm, measured with NaNO2)			
Stability	±0,0001A/h at 500nm			
Baseline Flatness	±0,002A			
Noise	±0,001A			
Baseline drift	0.003Abs / 0.5h			
Wavelength Setting	Auto			
Work Mode	Multi-Function - Photometric, Standard Curve Record, Quantitative, Spectral Scanning, Kinetics, DNA/protein...			
Light Source	Deuterium (D2)/Tungsten Lamp (Halogen - W Lamp)			
Wavelength scanning speed	fast, medium and slow (≤2400nm/min)			
Display	128X64 dot LCD			
Instrument size mm	460X360X225			
Detector	Silicon Photodiode			
Output	USB communication and Printer port			
Professional Software	Yes (standard)			
Power	AC110/60Hz 100W or AC220V/50Hz 100W			
Shipping Size	700*580*340 mm			
Gross weight/NW	20kg/18kg			
Packing	Spectrophotometer with Euro plug power cable, 4 pcs glass cuvette, 2 pc quartz cuvette, Instruction manual, (+ Configuration)			
Option	Built in printer, standard cell holder 1-8 places 5-100mm, auto cell holder 5-100mm 1-8places, Peltier cooling/heating MB, 10mm water jacked single cell 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

www,colo,si
Presernov Trg 9
8000 Novo Mesto
Slovenia
tel. +386 590 48 880 E-mail: office@colo.si