

MAVRICA-T series of Double Beam Spectrophotometer



Download
Catalogue



MAVRICA-T series of UV/VIS or VIS spectrophotometer is suitable for application in the departments of medicine and health, clinical examination, biochemistry, petrochemical industry, environmental protection and quality control.



Double Beam 1200 lines/mm

190-1100 nm



Touch Screen Display

7-inch, color, fixed



Dual Silicon Photodiodes



Professional Software

- Powerful functions: Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, Multi-wavelength test
- Equipped with GLP/GMP functions, including user management, audit tracking, log inquiry, etc.
- Support real-time sending of data via email and mobile
- 7-inch, high-resolution colour touch screen display
- Software included
- Large sample compartment with front access simplifies sample handling
- Single hole cell holder
- USB-A, USB input for printing data via printer, network connection, PC connection via USB, Ethernet or Wi-Fi
- Hi, Med, Low-Scanning speed
- A wide range of accessories are available such as automatic 5-cell/8-cell gripper, film holder, test tube holder, integrating sphere, reflection accessory, Peltier/sipper system.

	MAVRICA-T10	MAVRICA-T20	MAVRICA-T50
Wavelength range	190-1100nm		325-1100nm
Optical system	Double Beam, Grating 1200 lines/mm		
Spectral Bandwidth	1 nm	2nm	5nm
Data Resolution	1 nm	2nm	0.2 nm, 0.5 nm, 1 nm, 2 nm, 5 nm
Wavelength repeatability	±0.2 nm		
Wavelength accuracy	±0.5 nm		
Light Source	Deuterium & Tungsten lamp		Tungsten Halogen
Lamp Life	>1000 hrs		
Detector type	Dual Silicon Photodiodes		
Cuvette holder	Single hole cell holder		
Noise	0.0005A at 500nm		
Stability	±0.0001A		
Baseline Flatness	±0.0004A		
Measurement mode	T, A, C, E		T, A, C
Scanning Speed	Hi, Med, Low (max 3000nm/min)		
Photometric range	-3A to +3.5A/ 1000 to 0%T/ 0 to 9999 C		
Photometric accuracy	±0.002A at 0.5A, ±0.004A at 1.0A, ±0.008A at 2.0A		
Photometric repeatability	±0.001A at 1A		
Stray Light	<0.05%T at 340 nm and 400 nm		
Display	7-inch colour touch screen, fixed		
Power supply	AC 100–220V, 50/60 Hz.		
Connection	USB-A, USB input for printing data via printer, network connection, PC connection via USB, Ethernet or Wi-Fi		
Weight	7,5kg		
Dimension (L x W x H)	355 x 385 x 195mm		
Standard accessories	10mm glass cuvette x 4, 10mm quartz cuvette(UV) x 2, Power cord, User's Manual , PC software		
Standard accessories	Wi-Fi lamp control, Notebook with software for MAVRICA-T control, Smart Phone, set of glass cuvettes (10, 20, 24, 50mm), Cloud connectivity, Bluetooth		

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.