



Matuta 1

Double Beam UV/Vis Spectrophotometer

TOUCH TO UNLOCK ENDLESS POSSIBILITIES

A double-beam ultraviolet-visible spectrophotometer engineered for a peak performance and built to endure – power you can trust, durability you can count on. Its high-quality grating and robust optical base minimize stray light and external vibration effects, enhancing system stability and reliability. An automatic power-on self-test feature ensures optimal performance and calibration accuracy. Featuring a large 10-inch touch screen and a built-in controller, Matuta 1 allows standalone operation with comprehensive functionalities and supports a wide array of compatible accessories to meet growing application demands. Data can be easily exported to a USB drive, while optional computer software facilitates further data management.



Enhanced Optical Design

High performance grating effectively reduces stray light and delivers high stability.



10-Inch HD Touch Screen

User-friendly UI for streamlined interaction, zero hassle.



High-throughput Testing

Automatic 8-position cell holder as standard.



Wide Applications

Spectrum scanning, standard curve, kinetics, multi wavelength, DNA/protein test can be operated directly on device without PC software.

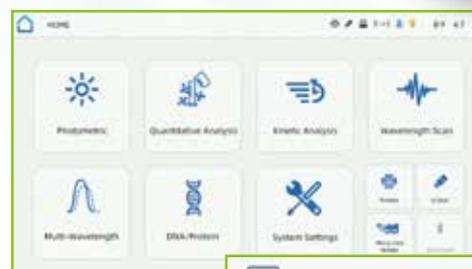


Convenient Data Output

USB port for fast data output.



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Technical Specifications



Optical System	Double Beam
Light Source	Tungsten Lamp & Deuterium Lamp
Wavelength Range	190-1100nm
Bandwidth	1.8nm
Wavelength Accuracy	±0.1nm at D2 656.1nm, ±0.3nm at full range
Wavelength Repeatability	≤0.1nm
Photometric Range	-0.3-3A, 0-200%T, 0-9999C
Photometric Accuracy	±0.3%T (0-100%T); ±0.002Abs (0-0.5Abs); ±0.004Abs (0.5-1.0Abs)
Photometric Repeatability	≤0.1%T (0-100%T); ≤0.001Abs (0-0.5Abs); ≤0.002Abs (0.5-1.0Abs)
Stability	≤0.001A/h@250nm & 500nm, 2hrs warm-up
Stray Light	≤0.05%T at 220nm & 360nm
Display	10-inch Touch Screen
Control Mode	Standalone System or PC Software (Optional)
Data Output	USB Port or Bluetooth (Optional)
Power requirement	AC 110/220V, 50/60Hz

Expand its capabilities now through a rich selection of accessories

Adjustable Cell Holder for Micro Cuvettes



Test Tube Holder



Transparent Film Holder



10mm Single-position Water Jacketed Ambient Cell Holder

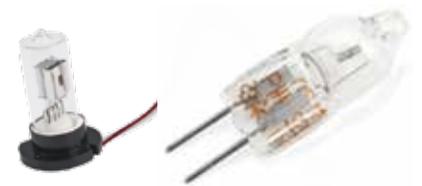


Peltier & Sipper System

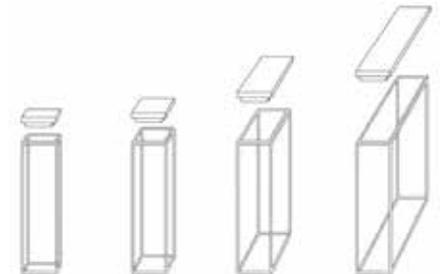


Consumables

Deuterium Lamp
Tungsten Lamp



Different Pathlength Cuvettes



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