

# Matuta 10

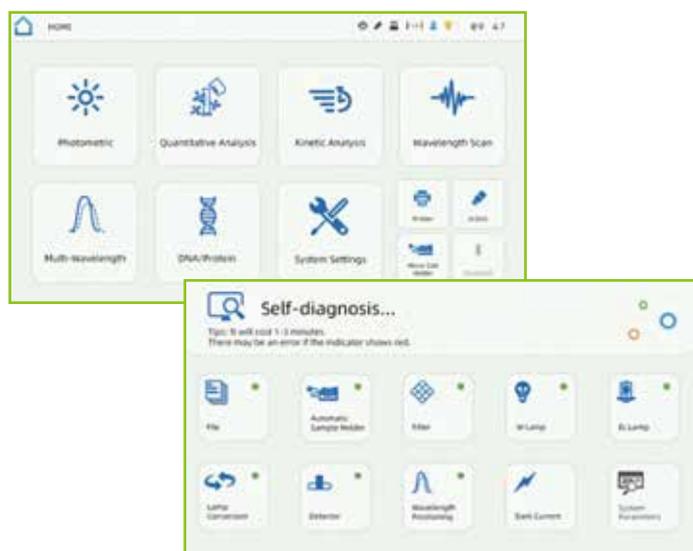
## UV/Vis Spectrophotometer

### **YOUR SYSTEM, ONE TOUCH AWAY**

A single-beam ultraviolet-visible spectrophotometer designed to deliver exceptional performance. Its high-quality grating and robust optical base minimize stray light and external vibration effects, enhancing system stability and reliability. Equipped with highly stable tungsten halogen lamp and a deuterium lamp, the spectrophotometer covers the entire UV-visible region from 190 to 1100 nm. Featuring a 7-inch touch screen and a built-in controller, Matuta 10 allows standalone operation with comprehensive functionalities. Data can be easily exported to a USB drive, while optional computer software facilitates further data management.



**Matuta 10**



-  **Smart HD Touch Screen**  
Highly sensitive user interface for easy operation.
-  **Multi-function Stand-alone System**  
Spectrum scanning, standard curve, kinetics, multi wavelength, DNA/protein test can be operated directly on device without PC software.
-  **High-throughput Testing**  
Automatic 8-position cell holder as standard.
-  **Engineered for Expansion**  
10cm universal cell holder, test tube holder, film holder, integrating sphere options available.
-  **Convenient Data Output**  
USB port for fast data output.

# Matuta 10

## Technical Specifications



Optical System	Single Beam
Light Source	Tungsten Lamp & Deuterium Lamp
Wavelength Range	190-1100nm
Bandwidth	1.8nm
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	≤0.2nm
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	7-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

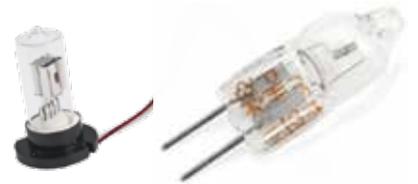


Peltier & Sipper System

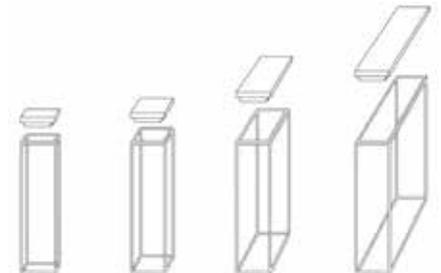


## Consumables

Deuterium Lamp  
Tungsten Lamp



Different Pathlength Cuvettes



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www.spectrolite.uk