

**Product Name :**  
Visible Spectrophotometer**Product Code :**  
MED-PTH0009**Description :**

Visible Spectrophotometer

**Technical Specification :**

Photometric measurement: It is convenient to measure the absorbance and transmittance of a sample at a specified wavelength.

Quantitative measurement: automatic establishment of standard curve, first-order / first-order zero-crossing, second-order, third-order curve fitting, multiple measurement analysis methods, optional standard curve can be stored and called;

Qualitative measurement: Supports continuous recording of up to 100 data points, automatically finding the maximum absorption peak wavelength position:

Kinetic Measurement: Enzyme Kinetic Reaction Rate Calculation

Multi-wavelength measurement: Data test supporting up to 10 wavelength points

Auxiliary functions: automatic wavelength calibration, clock management, light source management, wavelength correction management, language selection

Function:

High stability: optimized optical system and integrated aluminum base structure design to ensure long-term reliability and stability of the instrument

High degree of intelligence: The dual CPU embedded system hardware design is super reliable, 126X64 bit LCD display, rich instructions, no need to read the manual, easy to use, custom wavelength correction and wavelength auto-calibration function, eliminating manual adjustment. The light source usage time is automatically accumulated for easy viewing. The light source switch menu can be selected to be turned off when the instrument is not in use, effectively extending the service life. The Chinese and English languages can be automatically switched.

The menu is complete: photometer mode, quantitative analysis, multi-wavelength test;

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Convenient data processing: can store up to 1000 sets of data, can be built-in and external printer output, or optional spectrum analysis software and computer connection for data processing and analysis  
Optional accessories: 8-slot automatic sample holder, single-slot micro sample holder (minimum 50UL sample). 5-10 cm sample holder (suitable for water quality analysis). Single or three-slot water bath cuvette holder (suitable for constant temperature sample testing requirements).  
Wavelength Range: 320 - 1100nm  
Spectral Bandwidth: 4nm 2nm  
Optical System: Self-aligned; 1200 / mm imported holographic grating  
Wavelength Accuracy:  $\pm 1\text{nm}$   
Wavelength Repeatability:  $\pm 0.5\text{nm}$   
Luminosity range: -0.301 to 3A ; 0-200%T; 0-9999C ?0- 9999F?  
Photometric Accuracy:  $\pm 0.5\%$   
Photometric Repeatability:  $\pm 0.2\%T$   
Stray Light:  $\leq 0.05\%T@360\text{nm}$   
Drift:  $\pm 0.002A/hr @500\text{nm}$   
Light source: Tungsten lamp  
Display: 128X64 LCD display  
Data output: USB interface, Centronics parallel port (optional with mini internal and external printer)  
Power supply: 0-250V/AC 50-60HZ



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