

**Product Name :**  
LCD Double Beam UV-Vis Spectrophotometer

**Product Code :**  
MED-PTH0010



**Description :**

LCD Double Beam UV-Vis Spectrophotometer with Xenon Lamp

**Technical Specification :**

Fast and convenient, the instrument is ready to use, no need to preheat, so that users can completely get rid of the traditional light source photometer needs to wait for at least 30 minutes to analyze. The instrument uses a pulsed xenon lamp as the light source, and 1 billion flashing pulsed xenon lamps can last for 7 years. The long-life light source greatly reduces the user's use cost, and the user does not need to worry about the trouble caused by frequent replacement of the light source, and the cleaning and low consumption, the pulsed xenon light source does not cause secondary pollution, and does not cause damage to the analyst's body.

10.1-inch color touch screen display, large screen display directly displays a variety of scan curves and maps, allowing users to complete all measurement needs without the aid of a computer.

Support U disk storage, convenient for users to use, user measured data can be directly exported to U disk, data opening and editing does not require any professional auxiliary software support, can support excel, txt format, picture format (can output four formats : \*.csv, \*.qua.\*.tet, \*.bmp), it is convenient for users to edit the experiment report directly on the PC, which greatly saves the experimental table space and is convenient for users.

Data output: RS-232C serial port (print), USB drive (online), USB HOST (connected to U disk), standard 8GB memory

The industry's first to use the advanced 32-bit Cortex\_M3 processor, the main frequency reaches 120M, the instrument can store 5000 test data or 500 work curves.

Suspension optical system design, strengthen the thick aluminum base design, eliminate the impact of vibration or deformation on the optical system; double-layer design, completely separate the optical circuit parts, even if the instrument is maintained, the fork avoids light and electricity. Mutual interference increases the resolution and stability of the instrument.

The instrument adopts the national patent ZL 2010 2 0562320.3 photoelectric signal detection device to make

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the instrument signal-to-noise ratio lower and the instrument more stable.

Display: 10.1" 1024\*800 color capacitive touch screen

Optical system: dual beam, built-in reference detector

Light source: flashing xenon lamp (1 billion times, 7 years)

Detector: Silicon Photodiode

Wavelength range: 190-1100nm

Spectral bandwidth: 1nm or 2nm optional

Wavelength accuracy:  $\pm 0.3\text{nm}$

Wavelength repeatability: 0.1nm

Wavelength resolution: 0.1nm

Stray light:  $\leq 0.05\%$  T at 220nm. 360 nm

Photometric accuracy:  $\pm 0.3\%T$

Photometric mode: transmittance, absorbance, concentration, energy

Sample holder: Automatic 8 samples

Analysis software: YES

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