

# Service & Support

 <p>One-year warranty, lifetime maintenance;</p>	 <p>Holding training classes irregularly depending on the customer's requirements;</p>
 <p>Supply accessories &amp; consumables with favorable price in long term.</p>	 <p>Develop analytical methods and offer technical supports &amp; services.</p>
 <p>Offer technical and troubleshooting guide services 24 hours a day.</p>	 <p>Service&amp;Support Tel.:021-50801569</p>



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# UNIMICRO

## UV/Vis Spectrophotometer

# About Unimicro



Unimicro Technologies, Inc. was founded in 1996 in California, USA and its main office is in Pleasanton, California. As a high-tech US company located in the Silicon Valley, since its inception, Unimicro has focused its efforts on chromatographic separation and analysis and has made great success, especially on micro-separation field. Unimicro has successfully developed the electrokinetic High Performance Liquid Chromatography (eHPLC or pCEC) and the fully automated quantitative Capillary Electrophoresis (qCE), which leads the world in micro separation field.



Unimicro has 3 solely owned subsidiaries in China and has made great achievements in China market. Unimicro offers a wide range of products in liquid phase separation, including eHPLC, qCE, CE, HPLC and prep-HPLC instruments and HPLC columns, along with several kinds of detectors such as Evaporative Light Scattering Detector (ELSD), Fluorescence Detector (FLD), Diode Array Detector (DAD) and Laser Induced Fluorescence Detector (LIF).



The mission of Unimicro is to provide excellent service to its customers. Meeting and exceeding customer expectations is the ultimate goal and the company will not tolerate anything less than the total satisfaction of its customers.

## Catalogue.

**1** V-3000 / UV-3000 ----- 01

**2** UV-6000 / UV -8000 / UV-9000 / ----- 03

**3** UV-9000 Plus ----- 05

# V-3000 / UV-3000 UV/Vis Spectrophotometer



## II Specification

Model	V-3000	UV-3000
Optical System	Single beam , Littrow, Grating 1200 Line/mm	
Wavelength Range	320-1100nm	190-1100nm
Spectral Bandpass	2nm	
Wavelength Accuracy	±1nm	
Wavelength Repeatability	±0.5nm	
Photometric Accuracy	±0.5%T	
Photometric Repeatability	±0.1%T	
Stray Light	≤0.1%T at 220,360nm	
Photometric Range	0-200%T, -0.301-3A, 0-9999c(0-9999f)	
Light Source	Tungsten	Deuterium & Tungsten
Data Output	128X64 Dots Array Graphic LCD	
	USB Connecting to computer	
Language of OS	Chinese / English	
Power Supply	90-250V/AC 50-60HZ	
Size (L×W×H)mm	450×390×210	
Weight	11KG	12KG

## II Features:

- High stability: With optimized optical system to ensure long-term reliable operation.
- High Intelligence: Stable test data exported by U storage, automatic wavelength calibration, automatic light source off, Chinese/English changeable.
- Multiple menu functions: Built-in Photometric measurement, Quantitative measurement, calibration curve; multi-wavelength measurement and so on.
- Convenient to processing the data: 1000 data can be stored; Printer or control software used to process the data is optional.
- Multiple functions: Photometric measurement; Quantitative measurement; multi-wavelength measurement; Other additional functions.
- Various accessories available.

## II Specification

# UV-6000 / UV-8000/UV-9000 UV/Vis Spectrophotometer



## II Features:

- Reliability performance: High-resolution grating Czerny-Turner optical system monochromator with best stability, reproducibility and accuracy.
- High intelligence: Designed with advanced ARM microchip and excellent weak signal processing technology, stable test data exported by U storage, one-key firmware update, Bluetooth printer and PC running App available.
- Good stability: Basement with Integrated aviation-grade aluminum alloy and machine producing all mirror holder to enable optical system to resist any shock from transportation.
- 7" color LCD with touch panel screen offers clear operation commands, no manual reading required, and also use keypads operating with gloves.
- Quality assurance: Strict manufacturing process and a lot of quality control points make each instrument very durable and robust.
- Easy maintenance: The 4-position variable light path holder can be used for 10-50mm light path cuvettes; For lamp change.no case open required.
- Multiple functions: Basic T/A/C Measurement, Quantitative Measurement, Survey Scan, Kinetics (Time Scan), DNA/Protein Measurement, Multi-wavelength measurement, Instrument verification, Auxiliary functions and PC running application software for more functions.

Model	UV-6000	UV-8000	UV-9000
<b>Optical System</b>	Single Beam-Littrow Grating,1200lines/mm	Double beam proportional detection, Grating 1200 line/mm	Czerny-Turner double-beam, Grating 1200 line/mm
<b>Wavelength Range (nm)</b>	190-1100		
<b>Spectral Bandwidth (nm)</b>	2		1.8
<b>Wavelength Accuracy (nm)</b>	±0.5		
<b>Wavelength repeatability (nm)</b>	≤0.1		
<b>Spectral Accuracy(%T)</b>	±0.3%T;±0.002Abs(0-0.5Abs);±0.004Abs(0.5-1.0Abs)		
<b>Spectral repeatability(%T)</b>	±0.1%T;±0.001Abs(0-0.5Abs);±0.002Abs(0.5-1.0Abs)		
<b>Noise @0.000A @500nm</b>	0.002A		
<b>Drift(%T)</b>	≤0.2		
<b>Baseline fitness (Abs)</b>	≤0.001		
<b>Baseline dark noise (%T)</b>	±0.3		-
<b>Stability(Abs)</b>	-		≤0.001A/h
<b>Stray Light(%T)</b>	≤0.05@220nm和360nm		
<b>Adaptability for Power supply (%T)</b>	≤0.2		
<b>Spectral Range</b>	0-200%T, -0.301-3A, 0-9999C(0-9999F)		
<b>Measure Mode</b>	Transmittance, Reflectance, Absorbance, Concentration, Energy		
<b>Light Source</b>	Deuterium / Tungsten Lamp		
<b>Display</b>	7" Color LCD(800*480)with touch panel		
<b>Language of OS</b>	Chinese, English, Russian and Spain		
<b>Firmware update</b>	One touch with U Storage		
<b>Data Output</b>	U Storage、Bluetooth、PC App		
<b>Data Format</b>	CSV		
<b>Cell Holder</b>	4-position light path for10-50mm adjustable		
<b>Printer</b>	Optional Bluetooth printer		
<b>Power Supply</b>	AC90~250V/ 50~60Hz		
<b>Size (L×W×H)mm</b>	470×330×210		
<b>Weight</b>	12kg	13kg	

# UV-9000 Plus UV/Vis Spectrophotometer



## Specification

<b>Model</b>	UV-9000 Plus
<b>Optical System</b>	Czerny-Turner double-beam, Grating 1200 line/mm
<b>Wavelength Range(nm)</b>	190~1100
<b>Spectral Width(nm)</b>	Variable 0.5/1/2/4/5
<b>Wavelength Accuracy(nm)</b>	±0.3
<b>Wavelength Repeatability(nm)</b>	≤0.1
<b>Transmittance Accuracy(%T)</b>	±0.3
<b>Transmittance Repeatability (%T)</b>	≤0.1
<b>Stray light(%T)</b>	≤0.03%T, @220nm&360nm
<b>Noise(%T)</b>	0%≤0.05;100%≤0.1
<b>Drift (Abs)</b>	≤0.0008
<b>Baseline fitness (Abs)</b>	±0.0008
<b>Spectral range</b>	0~200%T, -4~4A,0~9999C(0-9999F)
<b>Measure Mode</b>	Absorbance, Transmittance, Reflectance, Energy
<b>Light source</b>	Deuterium & Tungsten
<b>Data Display</b>	10.1" Color Screen with Touch Panel
<b>OS and Language</b>	Android/English/Chinese convertible
<b>Data Output</b>	USB1.1, Email, U storage, WIFI
<b>Data Format</b>	CSV, PDF
<b>Memory</b>	32GB(Expandable up to 256GB)
<b>Power</b>	AC90~250V/ 50~60Hz
<b>Size(L×W×H)mm</b>	650×510×210
<b>Weight(kg)</b>	30

## Features:

- High Stability: Czerny-Turner double-beam optical system and a 12mm integrated aviation-grade aluminum alloy optical mounting platform ensure long-term stability of the data.
- High accuracy: The instrument features a precision screw-driven grating with a thousandth-level accuracy.
- Easy to use: 10.1" Color Screen with Touch Panel; Android navigation-style menu operating system, which has built-in programs for photometric, quantitative, qualitative, time, DNA protein and multi-wavelength measurements; Large capacity of 32G memory and can output data via USB, Email, U-disk and WIFI printing.
- Easy to maintain: Easy to change deuterium and tungsten lamps.
- Long service life.
- Various accessories available.
- Multiple functions: Photometric measurement; Quantitative measurement;Qualitative measurement; Time measurement; DNA/protein measurement; multi-wavelength measurement; Additional functions and Software package functions.