

## Service & Support



One-year warranty,  
lifetime maintenance;



Holding training classes  
irregularly depending  
on the customer's  
requirements;



Supply accessories &  
consumables with  
favorable price in  
long term.



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methods and offer  
technical supports &  
services.



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troubleshooting  
guide services 24  
hours a day.



Service&Support  
Tel.:021-50801569



**Unimicro (Shanghai) Technologies Co.Ltd.**  
Tel.:+86-21-3895-3588 3895-3390 3895-3570  
Fax: +86-21-3895-3636  
Email: info@unimicrotech.com.cn  
Website: www.unimicro.com.cn  
Address: 489 Songtao Rd.C01, Zhangjiang High-tech  
Park Pudong District,Shanghai 201203,P.R.China



**Unimicro Technologies, Inc.**  
Tel.: 925-846-8638 Fax: 925-401-9548  
Website: www.unimicrotech.com  
Address: 23046 Avenida de la Carlota  
Suite 600 Laguna Hills CA92653,USA

# 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).



# UNIMICRO

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



## 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.

## 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

# UV-6000 / UV-8000/UV-9000

## UV/Vis Spectrophotometer



### 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.

### Specification

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

# UV-9000 Plus

## UV/Vis Spectrophotometer



### 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.

### Specification

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