

UV-6000T

Touch Screen
UV/Visible Spectrophotometer

- Intelligent Alarm function
- System Encryption function
- Display several groups of data at the same time for direct reading
- Module design for easy operation
- New panel with touch screen



Features and Functions

- 800*480 high-definition touch screen clearly shows test results and graphs.
- Powerful data analysis system with internal computer host could realize multi functions independently. Like establishing calibration curve, photometric measurement, quantitative measurement, spectral scanning, kinetics, DNA/Protein test, multi-wavelength analysis and data printing.
- Optical system adopts suspension design. All optical parts are independently fixed on the 8mm thick aluminum deformation-free base to avoid the impact of bottom plate deformation and outside vibration on optical system. This premium design greatly improved the stability and reliability of the instrument.
- Convenient data storage and printing function. UV-6000T can be directly connected to the printer for A4 format data and graph printing.
- Automatic power on self test and system positioning function could inspect and calibrate the deviation before every use.
- All test data and analysis reports can be exported to USB disk directly.

Technical Specification

Model	UV-6000T	Baseline flatness	±0.001A
Wavelength Range	190-1100nm	Noise	± 0.0005A
Spectral Bandwidth	2.0nm	Display	800*480 Smart touch screen
Wavelength Accuracy	±0.5nm	Data Output Port	USB Port
Wavelength Repeatability	±0.2nm	Print Port	USB Port
Stray Light	≤0.05%T @ 220nm,360nm	Light source	Tungsten Lamp& Deuterium Lamp
Photometric Accuracy	±0.2%T(0-100%T), ±0.002Abs(0-0.5Abs), ±0.004Abs(0.5-1.0Abs)	Power Requirements	AC 220V/50Hz or AC 110V/60Hz
Photometric Repeatability	±0.1%T(0-100%T), 0.001Abs(0-0.5Abs), 0.002Abs(0.5-1.0Abs)	Detector	Silicon Photodiode
Stability	±0.001A/h@500nm	Dimension	460*380*180mm
Photometric Range	0-200%T, -0.3-3.0A, 0-9999C	Weight	20KG

Standard Accessories

Item	Description	Quantity	Unit
1	Spectrophotometer	1	set
2	1cm Glass cuvette	4	pcs
3	Power cord	1	pcs
4	User' s Manual	1	pcs
5	1cm quartz cuvette	2	pcs
6	Dust Cover	1	pcs

UV-8000T/UV-8000TS

Touch Screen
Double Beam UV/VIS Spectrophotometer



Features

- Adopt dual beam optical system with precision vertical-type dual optical path and dual detector.
- Imported grating of high performance greatly reduced the stray light and improved the stability and reliability of device.
- 10 inches large touch screen, built-in 32G memory, support Bluetooth connection network.
- Three operation modes are available: Host, Computer and App of mobile phone (Android).
- Powerful data analysis system with internal computer host could realize multi functions independently. Like establishing calibration curve, photometric measurement, quantitative measurement, spectral scanning, kinetics, DNA/Protein test, multi-wavelength analysis and data printing.
- Optical system adopts suspension design. All optical parts are independently fixed on the 16mm thick aluminum deformation-free base to avoid the impact of bottom plate deformation and outside vibration on optical system. This premium design greatly improved the stability and reliability of the instrument.
- Convenient data storage and printing function. UV-8000T can be directly connected to the printer for A4 format data and graph printing.
- Automatic power on self test and system positioning function could inspect and calibrate the deviation before every use.
- All test data and analysis report can be exported to USB disk directly.
- PC software is in compliance with 21CFR PART 11 requirements.
- Graphs support 3D display on PC software.

Technical Specification

Model	UV-8000T	UV-8000TS	Baseline flatness	±0.001A
Wavelength Range	190-1100nm		Noise	± 0.0004A
Spectral Bandwidth	1.8nm	0.5, 1.0, 2.0, 4.0nm	Display	10 inches smart touch screen
Wavelength Accuracy	±0.1nm(D: 656.1nm), ±0.3nm@full range		Data Output Port	USB Port
Wavelength Repeatability	±0.1nm		Print Port	USB Port
Stray Light	≤0.03%T @ 220nm,360nm		Light source	Tungsten Lamp and Deuterium Lamp
Photometric Accuracy	±0.2%T(0-100%T), ±0.002Abs(0-0.5Abs), ±0.004Abs(0.5-1.0Abs)		Power Requirements	AC 220V/50Hz or AC 110V/60Hz
Photometric Repeatability	±0.1%T(0-100%T), 0.001Abs(0-0.5Abs), 0.002Abs(0.5-1.0Abs)		Detector	Silicon Photodiode
Stability	±0.0004A/h@500nm		Dimension	630*430*210mm
Photometric Range	0-200%T, -0.3-3.0A, 0-9999C		Weight	28KG

Standard Accessories

Item	Description	Quantity	Unit
1	Spectrophotometer	1	set
2	1cm Glass cuvette	4	pcs
3	Power cord	1	pcs
4	User' s Manual	1	pcs
5	1cm quartz cuvette	2	pcs
6	Dust Cover	1	pcs