

## UV-Vis Spectrophotometer with PMT

### Product Description:

the UV-Vis spectrophotometer is designed to meet high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industry, etc. The latest ARM system and long optical system ensure high accuracy and good stability of the instrument. They are the best choice of high quality spectrophotometer.

### Features:

1. The use of photomultiplier tube as a detector offers exceptional sensitivity.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB & SD card storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
6. Large sample chamber allows the easy interface of optional accessories .
7. Extensive accessories are optional, such as auto 8-cell holder, peltier/sipper system, reflection accessories, 21 CFR compliant software, etc.

### Specifications:

Model	T8000	T8001	T8001S	T9000	T9001	T9001S
Picture						
Optical System	Double beam					
Wavelength Range	190-1100 nm					
Spectral Bandwidth	2nm	1nm	0.5/1/2/4/5	2nm	1nm	0.5/1/2/4/5
Wavelength Accuracy	±0.3nm					
Wavelength Repeatability	≤0.1nm					
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)					
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)					
Photometric Range	0-200%T, -4~4A, 0-9999C (0-9999F)					
Stray Light	≤0.03%T@220nm, 360nm					
Stability	±0.0005A/h@500nm			±0.0003A/h @500 nm		
Baseline Flatness	±0.001A			±0.0003A		±0.001A
Noise	0.0005A@500nm					
Work mode	T, A, C, E					
Scanning speed	Fast, Mid, Slow					
Wavelength setting	Auto					
Display	7" color LCD			10.1" color touch LCD		
Light Source	Imported Deuterium & Tungsten lamp					
Detector	Imported PMT					
Output	USB/RS232					
Power	AC 220V/50Hz or AC 110V/60Hz					
Dimension	590 x 475 x 250mm		760*560*280mm	590 x 475 x 250mm		760*560*280mm
Net Weight	20kg		28kg	20kg		28kg
Shipping Size	810*660*390mm		880*690*520mm	810*660*390mm		880*690*520mm
Gross Weight	33kg		47kg	33kg		47kg

## UV-Vis Spectrophotometer with Xenon lamp

### Product Description:

the UV-Vis spectrophotometer is designed to meet high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industry, etc. The latest ARM system and long optical system ensure high accuracy and good stability of the instrument. They are the best choice of high quality spectrophotometer.

### Features:

1. High quality flashing xenon lamp is from Hamamatsu, which can start to test directly without preheating. The lamp can be used at least 3-year.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB & SD card storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Large sample chamber allows the easy interface of optional accessories.
6. Extensive accessories are optional, such as auto 8-cell holder, peltier/sipper system, reflection accessories, 21 CFR compliant software, etc.

### Specifications:

Model	X8000	X8001	X8001S	X9000	X9001	X9001S
Picture						
Optical System	Double beam					
Wavelength Range	190-1100 nm					
Spectral Bandwidth	2nm	1nm	0.5/1/2/4/5	2nm	1nm	0.5/1/2/4/5
Wavelength Accuracy	±0.3nm					
Wavelength Repeatability	≤0.1nm					
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)					
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)					
Photometric Range	0-200%T, -3~3A, 0-9999C (0-9999F)					
Stray Light	≤0.03%T@220nm, 360nm					
Stability	±0.0005A/h@500nm			±0.0003A/h @500 nm		
Baseline Flatness	±0.001A			±0.0003A		±0.001A
Noise	0.0005A@500nm					
Work mode	T, A, C, E					
Scanning speed	Fast, Mid, Slow					
Wavelength setting	Auto					
Display	7" color LCD			10.1" color touch LCD		
Light Source	Imported Xenon lamp					
Detector	Imported Silicon Photodiode					
Output	USB/RS232					
Power	AC 220V/50Hz or AC 110V/60Hz					
Dimension	590 x 475 x 250mm		760*560*280mm	590 x 475 x 250mm		760*560*280mm
Net Weight	20kg		28kg	20kg		28kg
Shipping Size	810*660*390mm		880*690*520mm	810*660*390mm		880*690*520mm
Gross Weight	33kg		47kg	33kg		47kg

## Color Touch Screen UV-Vis Spectrophotometer



### Product Description:

the UV-Vis spectrophotometer is designed to meet high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industry, etc. The latest ARM system and long optical system ensure high accuracy and good stability of the instrument. They are the best choice of high quality spectrophotometer.

### Features:

- 10.1 inches high resolution TFT colored capacitive touch screen and windows Graphic interface.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, Multi-wavelength test, etc
- In-house massive memory is capable of saving up to 1024M for test data & working curves.
- Supports USB & SD card storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
- Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
- Large sample chamber allows the easy interface of optional accessories.
- Extensive accessories are optional, such as auto 8-cell holder, peltier/sipper system, reflection accessories, 21 CFR compliant software, etc.

### Specifications:

Model	K7000	K7001	K70001S	K9000	K9001	K9001S
Optical System	Single beam			Double beam		
Wavelength Range	190-1100 nm					
Spectral Bandwidth	2nm	1nm	0.5/1/2/4/5	2nm	1nm	0.5/1/2/4/5
Wavelength Accuracy	±0.3nm					
Wavelength Repeatability	≤0.1nm					
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)					
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)					
Photometric Range	0-200%T, -3~3A, 0-9999C (0-9999F)					
Stray Light	≤0.03%T@220nm, 360nm					
Stability	±0.0005A/h@500nm			±0.0003A/h @500 nm		
Baseline Flatness	±0.0002A	±0.001A		±0.0002A	±0.001A	
Noise	0.0005A@500nm					
Work mode	T, A, C, E					
Scanning speed	Fast, Mid, Slow					
Wavelength setting	Auto					
Display	10.1" TFT Colored Capacitive Touch Screen					
Light Source	Imported Deuterium & Tungsten lamp					
Detector	Imported Silicon Photodiode					
Output	USB Host/USB Drive/RS232/SD Card					
Power	AC 220V/50Hz or AC 110V/60Hz					
Dimension	590 x 475 x 250mm		760*560*280mm	590 x 475 x 250mm		760*560*280mm
Net Weight	20kg		28kg	20kg		28kg
Shipping Size	810*660*390mm		880*690*520mm	810*660*390mm		880*690*520mm
Gross Weight	33kg		47kg	33kg		47kg

## Color Screen UV-Vis Spectrophotometer with two color



### Product Description:

the UV-Vis spectrophotometer is designed to meet high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industry, etc. The latest ARM system and long optical system ensure high accuracy and good stability of the instrument. They are the best choice of high quality spectrophotometer.

### Features:

1. 7 inches color LCD and windows Graphic interface.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, Multi-wavelength test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB & SD card storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
6. Large sample chamber allows the easy interface of optional accessories.
7. Extensive accessories are optional, such as auto 8-cell holder, peltier/sipper system, reflection accessories, 21 CFR compliant software, etc.

### Specifications:

Model	K6000	K6001	K6001S	K8000	K8001	K8001S
Optical System	Single Beam, Grating 1200 lines/mm			Double Beam, Grating 1200 lines/mm		
Wavelength Range	190 nm -1100nm					
Spectral Bandwidth	2nm	1nm	0.5/1/2/4/5	2nm	1nm	0.5/1/2/4/5
Wavelength Accuracy	±0.3nm					
Wavelength Repeatability	≤0.1nm					
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)					
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)					
Photometric Range	0-200%T, -3~3A, 0-9999C (0-9999F)					
Stray Light	≤0.03%T@220nm, 360nm					
Stability	±0.0005A/h@500nm			±0.0003A/h @500 nm		
Baseline Flatness	±0.0015A			±0.0010A		
Noise	0.0005A@500nm					
Work mode	T, A, C, E					
Scanning speed	Fast, Mid, Slow					
Wavelength setting	Auto					
Display	7" color LCD					
Light Source	Imported Deuterium & Tungsten lamp					
Detector	Imported Silicon Photodiode					
Output	USB/RS232					
Power	AC 220V/50Hz or AC 110V/60Hz					
Dimension	590 x 475 x 250mm	760*560*280mm	590 x 475 x 250mm	760*560*280mm		
Net Weight	20kg	28kg	20kg	28kg		
Shipping Size	810*660*390mm	880*690*520mm	810*660*390mm	880*690*520mm		
Gross Weight	33kg	47kg	33kg	47kg		



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## Packing list

<b>Descriptions</b>	<b>quantity</b>
Spectrophotometer	1
Power Cable	1
Glass Cuvette 10mm	1 Set of 4
Quartz Cuvette 10mm	1 Set of 2
English manual	1
PC Software	1

## Optional Accessories

5mm-100mm Glass Cuvettes  
5mm-100mm Quartz Cuvettes  
Manual 4-Cell Holder (10-100mm)  
Auto 8-cell holder  
Tungsten Lamp  
Deuterium Lamp

For more accessories,pls kindly check our accessories list.