

YK Scientific Instrument Co.,Ltd

Factory Add: No.228, Qingling Rd, Fengxian, Shanghai, China. 201414

Web: www.yk-instrument.com Email: sales@yk-instrument.com

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Basic Visible Spectrophotometer



Introduction:

This model is a simple single beam spectrometer. The wavelength is set manually from the dial on the front panel. Direct readout of transmission or absorption on the LED display. Measured values can be transferred to PC via the RS232 for further analysis. Low price and simple design make this model make this ideal tool for education or routine analysis.

Specifications:

Model	VIS-721	VIS-722	VIS-722(N.S)
Optical System	Czerny-Turner (1200L/mm Grating)		
Wavelength	350-1020nm	320-1020nm	320-1020nm
Bandwidth	6nm	5nm	4nm
Wavelength Accuracy	+/-2nm	+/-2nm	+/-2nm
Wavelength Repeatability	<=1nm	<=1nm	<=1nm
Wavelength Set:	Manually	Manually	Manually
Work Mode	T, A, C	T, A, C	T, A, C
Photometric Accuracy	+/-1%T	+/-0.5%T	+/-0.5%T
Stability	+/-0.004A/H @500nm	+/-0.004A/H @500nm	+/-0.003A/H @500nm
Stray Light	<=0.3%T	<=0.3%T	<=0.2%T
Data Output	RS232	RS232	RS232
Display Mode	LED	LED	LED
Detector:	Silicon Photodiode	Silicon Photodiode	Silicon Photodiode

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Features

1. Simple & clear keyboard operation provides auto 0% & 100% adjustment, Error free T-A transformation, faster setting and direct concentration readout functions.
2. Imported Tungsten (W) Lamp, long service life.
3. Spacious sample compartment, suitable for various dimensions optical path rectangular cells(100mm max).

Included Accessories

- 1 Main Instrument
- 1 Power Cable
- 4 x 10mm Glass Cuvettes
- 1 Cell Holder
- 1 Tungsten Lamp
- 1 Singal Cable

Optional Accessories

- 5mm-100mm Glass Cuvettes
- Tungsten Lamp
- 50mm-100mm Cell Holder

Overall Dimension & Weight

Shipping Package Dimension: 520mm*450*320mm

Gross Weight: 12kg

Net Weight: 8kg

Applications:

- Education in universities and colleges
- Environmental monitoring & control
- Food & Beverage production and quality control
- Agricultural monitoring

Scanning Visible Spectrophotometer



Features

1. Automatically set and calibrate the wavelength.
2. USB ports for programming updates and other accessory connection.
3. Absorbance, %T and concentration modes.
4. The RAM has the capability of saving 200 groups of measured data which can be recalled any time.
5. Users can build their own standard curve and save it within the RAM. The curves can be reloaded at any time. Up to 100 curves can be stored.
6. Optional software based on windows for VIS 723N, can expand the applications to Standard Curve and Kinetics through the USB port.
7. Imported Fiber Converter, which guarantees the high sensibility.
8. Advanced Microcontroller. 32 bits ARM 11, the frequency can reach 533MHZ, which ensures the instrument's stability.
9. Sealed monochromator and all the optical mirror surface is coated with Silicon Dioxide, which protect the optical components from the environment.
10. The instrument has the ability to test Absorbance, Transmittance and concentration at selected wavelength.
11. Optional 8 positions cell holder.

Applications:

Education in universities and colleges

Environmental monitoring & control

Food & Beverage production and quality control

Agricultural monitoring

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Specifications:

Model	VIS-7230G	VIS-723(N)
Optical System	Ratio Double Beam, 1200L/mm Grating	
Wavelength	330-1000nm	320-1100nm
Bandwidth	4nm	2nm
Wavelength Accuracy	+/-2nm	+/-0.5nm
Wavelength Repeatability	<=0.5nm	<=0.2nm
Wavelength Set:	Automatic	Automatic
Work Mode	T, A, C	T, A, C
Photometric Accuracy	+/-0.5%T	+/-0.3%T
Stability	+/-0.002A/H @500nm	+/-0.002A/H @500nm
Stray Light	<=0.1%T	<=0.05%T
Baseline Flatness	+/-0.002A	+/-0.0015A
Noise	+/-0.001A	+/-0.001A
Data Output	USB	USB
Display Mode	LCD	LCD
Detector:	Silicon Photodiode	Silicon Photodiode

Included Accessories

- 1 Main Instrument
- 1 Power Cable
- 4 x 10mm Glass Cuvettes
- 1 Cell Rack
- 1 Tungsten Lamp
- 1 Singal Cable

Optional Accessories

- 5mm-100mm Glass Cuvettes
- Tungsten Lamp
- 50mm-100mm Cell Holder
- Professional Software (For VIS-723N)

Overall Dimension & Weight

Shipping Package Dimension: 520mm*450*320mm

Gross Weight: 14kg

Net Weight: 12kg

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I Series Spectrophotometer



Versatile, Rugged, Accurate & Easy to Operate Instrument to determine Absorbance, Transmission, Concentration and K Factor

Features

1. Blue backlit LCD Screen, can display T, A, C, K, B.
2. Automatically adjust 0%A and 100%T.
3. With the professional software, it can do the quantitative and kinetics analysis.
4. Automatically change between Tungsten lamp and Deuterium lamp.
5. Can store 50 sets of test data and 10 sets of K and B data.

Technical Parameters

Model	V1000	U1000	U1000PRO
Display	70 X 40 Blue back light LCD		
Wavelength	320-1100nm	190-1100nm	
Band Width	4nm	4nm	2nm
Wavelength Accuracy	2nm		
Wavelength Repeatability	1nm	1nm	1nm
Transmittance Accuracy	0.5%T		
Stray Light	0.15%T@500nm		
Transmittance Repeatability	0.2%T		
Stability	0.002A@500nm		
Interface	USB & RS232		
Software	Support		
Lamps	Philips Tungsten Lamp	Philips Tungsten Lamp Imported Deuterium Lamp	

II Series Spectrophotometer



Features

1. Wavelength is set manually, which direct readout from the screen, minimum wavelength displayed could be 0.5nm, so the wavelength value more accurate.
2. 70 x 40mm LCD screen, display T, A, C, F.
3. Curve of $C=KA$ can be built in F work mode; Curve of $C=K*A+B$ can be built in C work mode.
4. Automatically adjust 0%A and 100%T.
5. With the professional software, it can do the quantitative and kinetics analysis.
6. Automatically changes between Tungsten Lamp and Deuterium Lamp.
7. Automatically wavelength calibration.
8. Can store 200 sets of test data and 50 sets of work curves.

Technical Parameters

Model	V2000	U2000	U2000PRO
Display	70 X 40 Blue back light LCD		
Wavelength	320-1100nm	190-1100nm	
Band Width	4nm	4nm	2nm
Wavelength Accuracy	2nm	1.5nm	1.5nm
Wavelength Repeatability	0.5nm		
Transmittance Accuracy	0.5%T		
Stray Light	0.15%T@220nm, 360nm		
Transmittance Repeatability	0.2%T		
Stability	0.002A@500nm		
Output Port	USB/RS232		
Lamps	Philips Tungsten Lamp	Philips Tungsten Lamp Imported Deuterium Lamp	

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Included Accessories

- 1 Main Instrument
- 1 Power Cable
- 4 x 10mm Glass Cuvettes
- 2 x 10mm Quartz Cuvettes
- 1 Cell Holder
- 1 Tungsten Lamp (V1000, V2000)
- 1 Deuterium Lamp(U1000, U1000PRO, U2000, U2000PRO)
- 1 Singal Cable

Optional Accessories

- 5mm-100mm Glass Cuvettes
- Tungsten Lamp(V1000, V2000)
- Deuterium Lamp(U1000, U1000PRO, U2000, U2000PRO)
- 50mm-100mm Cell Holder

Overall Dimension & Weight

Shipping Package Dimension: 520mm*450*320mm

Gross Weight: 12kg

Net Weight: 8kg

Applications:

- Organic compounds in Biological matter
- Glucose, Carbohydrates & Proteins etc., in foods
- Alcohols in Beverages
- Purity of constituents in Pharmaceuticals
- Toxic elements, Cd, Pb, Hg etc. in effluents

UV Spectrophotometer with Built-in Printer



This item is particularly suitable for the sugar mills and power plants to do analysis.

Features

1. Built-in printer.
2. Wavelength 195-1020nm with 4nm bandwidth, 2nm accuracy.
3. Long service life Philips W lamp.
4. Automatic 0% & 100% adjustment; Error free T-A transformation.
5. Spacious sample compartment, suitable for 5-100mm optical path rectangular cells.

Specifications

Model	UV-754PC
Optical System	CT Type Monochromator, 1200L/mm Grating
Wavelength	195-1020nm
Bandwidth	4nm
Wavelength Accuracy	+/-2nm
Wavelength Repeatability	<=0.5nm
Wavelength Set:	Manually
Work Mode	T, A, C
Photometric Accuracy	+/-0.5%T
Stability	+/-0.002A/H @500nm
Stray Light	<=0.3%T
Baseline Flatness	+/-0.004A
Noise	+/-0.001A
Data Output	RS232
Display Mode	LCD
Detector:	Silicon Photodiode

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Applications

Pharmaceutical production and quality control;
Bio-tech & life science;
Environmental monitoring & control;
Food & Beverage production and quality control;
Agricultural monitoring;
Clinical & forensic analysis;
Geology & metallurgy;
Gas & oil.

Included Accessories

1 Main Instrument
1 Power Cable
4 pcs 10mm Glass Cuvettes
2 pcs 10mm Quartz Cuvettes
1 Cell Holder
1 Tungsten Lamp
1 Deuterium Lamp
1 Singal Cable

Optional Accessories

5mm-100mm Glass Cuvettes
5mm-100mm Quartz Cuvettes
Tungsten Lamp
Deuterium Lamp
50mm-100mm Cell Holder

Overall Dimension & Weight

Shipping Package Dimension: 520mm*450*320mm
Gross Weight: 14kg
Net Weight: 12kg

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Microprocessor UV-Visible Spectrophotometer



Due to their built-in microcomputer system, plus excellent optical and electric circuit system, rational mechanical structure and a large LCD display screen, the instruments are effective and useful for lab analysis in industries.

Features

1. High performance fixed 2nm spectral bandwidth.
2. Holographic blazed grating, 1200 lines/mm.
3. A number of optional accessories available which increase the flexibility of the analysis.
4. Functions: Photometric Measurement, Spectrum Scans, Quantitative Determination and DNA/Protein analysis(UV756CRT).
5. Simple mechanical structure and modular electronics make routine maintenance very easy.
6. Built in Quantitative Analysis software(UV755B).
7. The instruments have the ability of failure self-diagnosis and provide protection if a sudden loss of power(UV755B).
8. The RAM has the capability of saving 50 groups of data and 10 standard curves(UV756CRT).
9. Special wavelength control system, which ensures the high wavelength precision.
10. Imported Fiber Converter, which guarantees the high sensibility.

Overall Dimension & Weight

Shipping Package Dimension: 520mm*450*320mm

Gross Weight: 14kg

Net Weight: 12kg

Applications:

Education in universities and colleges

Environmental monitoring & control

Food & Beverage production and quality control

Agricultural monitoring

Geology & metallurgy

Gas & oil

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Specifications

Model	UV-755B	UV-756(CRT)
Optical System	Ratio Double Beam, 1200L/mm Grating	
Wavelength	200-1000nm	190-1100nm
Bandwidth	2nm	2nm
Wavelength Accuracy	+/-1nm	+/-0.5nm
Wavelength Repeatability	<=0.5nm	<=0.2nm
Wavelength Set:	Automatic	Automatic
Work Mode	T, A, C	T, A, C
Photometric Accuracy	+/-0.5%T	+/-0.5%T
Stability	+/-0.002A/H @500nm	+/-0.002A/H @500nm
Stray Light	<=0.2%T	<=0.05%T
Baseline Flatness	+/-0.002A	+/-0.001A
Noise	+/-0.001A	+/-0.001A
Data Output	USB	USB
Display Mode	LCD	LCD
Detector:	Silicon Photometric diode	Silicon Photometric diode

Included Accessories

- 1 Main Instrument
- 1 Power Cable
- 4 pcs 10mm Glass Cuvettes
- 2 pcs 10mm Quartz Cuvettes
- 1 Cell Holder
- 1 Tungsten Lamp
- 1 Deuterium Lamp
- 1 Singal Cable

Optional Accessories

- 5mm-100mm Glass Cuvettes
- 5mm-100mm Quartz Cuvettes
- Tungsten Lamp
- Deuterium Lamp
- 50mm-100mm Cell Holder
- Professional Software

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NEW UV Spectrophotometer UV765(UV1700)



Features

1. USB ports for programming updates and other accessory connection.
2. Versatile functions, the local host can do the Photometric & Quantitative Measurement, Spectrum Scan, Kinetics, DNA/Protein Test, multi-wavelength test and printing independently.
3. Socket design for Tungsten and Deuterium Lamp, easy to replace lamps and free of optical debugging.
4. 4 bits high speed, high precision conversion between A and D to ensure the high precision of the instrument.
5. Optional carousel 8 positions Cell holder.

Specifications

Model	UV-765(UV1700)
Optical System	Ratio Double Beam, Holographic Grating 1200L/mm
Wavelength	190-1100nm
Bandwidth	1.8nm
Wavelength Accuracy	+/-0.3nm
Wavelength Repeatability	<=0.1nm
Wavelength Set:	Automatic
Work Mode	T, A, C, E
Photometric Accuracy	+/-0.2%T(0-100%T) +/-0.002A(1-2A) +/-0.004A(0.5-1A)
Stability	+/-0.001A/H @500nm
Stray Light	<=0.05%T 220nm, 360nm
Baseline Flatness	+/-0.002A
Noise	+/-0.005A
Data Output	USB
Display Mode	6"mm LCD
Detector	Silicon Photodiode

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Applications

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Bio-tech & life science;
Environmental monitoring & control;
Food & Beverage production and quality control;
Agricultural monitoring;
Clinical & forensic analysis;
Geology & metallurgy;
Gas & oil.

Included Accessories

1 Main Instrument
1 Power Cable
4 pcs 10mm Glass Cuvettes
2 pcs 10mm Quartz Cuvettes
1 Cell Holder
1 Tungsten Lamp
1 Deuterium Lamp
1 Singal Cable
Professional software

Optional Accessories

5mm-100mm Glass Cuvettes
5mm-100mm Quartz Cuvettes
Tungsten Lamp
Deuterium Lamp
50mm-100mm Cell Holder
Carousel 8 positions Cell Holder

Overall Dimension & Weight

Shipping Package Dimension: 700mm*580*340mm
Gross Weight: 22kg
Net Weight: 20kg

Split Beam Ratio UV Visible Spectrophotometer



Introduction

The UV1800 is developed for precise testing with a stray light of only 0.05%T. The value is evident from the performance provided everyday.

The local stand-alone software provides functions of basic mode, Quantitative Test and Kinetics.

Fundamental Principle

- Data Store Function

The RAM has the capacity of saving 200 groups of data which can be recalled any time and most importantly, if a sudden loss of power occurs, user do not need to write down each test result in the notebook, thus saving time and increasing work efficiency.

- Standard Curve Build and Store

Users can build their own standard curve on the screen and save it within the RAM. The curves can be reloaded at any time. Up to 200 curves can be stored.

- Coefficient Method

If you know the coefficients of the curve equation, you can input the values and use them to test the samples directly.

- Kinetics Test

The kinetics curve can be displayed in the screen, you can use this function to test the samples and verify the instruments stability.

- System Function

The instruments have the ability to calibrate the wavelength.

- Super PC Software

The software functions include (1)Kinetics. (2)Quantitative. (3)Wavelength Scan. (4)Multiwavelength Test. (5)DNA/Protein Test

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Features

1. UV-Win software offers many operational and data processing capabilities and is supplied as standard with the UV1800.
2. Imported reputed brand Holographic Grating, 1200 lines/mm.
3. A number of optional accessories increase the flexibility of analysis.
4. Instrument Functions: Photometric, Quantitative, T, A, C.
5. LCD Graphic Screen(128*64), which can display Standard Curve.
6. Protected by software program Restore the instrument to normal work status in case of a power failure.
7. The RAM has the capability of saving 200 groups of data and 200 standard curves.
8. The D2 Lamp and W lamp can be controlled individually to extend the life time. You can switch off D2 lamp when in visible range or switch off the W lamp when in ultraviolet range.
9. Low Stray Light. The stray light is only 0.05%T, which enables the users to decrease the analysis Relative Error greatly.
10. High Wavelength Accuracy

Specifications

Model	UV1800
Optical System	Ratio Double Beam, 1200L/mm Holographic Grating
Wavelength	190-1100nm
Bandwidth	1.8nm
Wavelength Accuracy	+/-0.3nm
Wavelength Repeatability	<=0.5nm
Wavelength Set	Automatic
Work Mode	T, A, C
Photometric Accuracy	$\pm 0.002A(0-0.5A) \pm 0.004A(0.5-1A) \pm 0.3\%T(0-100\%T)$
Photometric Range	0.0-200%T, -0.30-3A, 0-1999C
Photometric Repeatability	0.001A(0-0.5A) 0.002A(0.5-1A) 0.15%T(0-100%T)
Stability	+/-0.001A/H @500nm
Stray Light	0.05%T@220nm, 360nm
Baseline Flatness	+/-0.0008Abs
Noise	+/-0.0005A(500nm, 0A, 2nm)
Data Output	USB
Display Mode	LCD Graphic Screen
Detector	Silicon Photodiode

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Included Accessories

1 Main Instrument
1 Power Cable
4 pcs 10mm Glass Cuvettes
2 pcs 10mm Quartz Cuvettes
1 Cell Holder
1 Tungsten Lamp
1 Deuterium Lamp
1 Singal Cable

Optional Accessories

5mm-100mm Glass Cuvettes
5mm-100mm Quartz Cuvettes
Tungsten Lamp
Deuterium Lamp
50mm-100mm Cell Holder
Professional Software

Overall Dimension & Weight

Shipping Package Dimension: 520mm*450*320mm

Gross Weight: 14kg

Net Weight: 12kg

Applications:

Education in universities and colleges
Environmental monitoring & control
Food & Beverage production and quality control
Agricultural monitoring
Geology & metallurgy
Gas & oil

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UV Visible Spectrophotometer Variable Bandwidth



By simple parameter setting, this item can do the analysis of photometric, quantitative, kinetic and DNA/Protein, also can do spectral scanning and multi-wavelength test independently.

Features

1. High performance variable spectral bandwidth 0.5/1/2/4/5/6nm (UV1810S).
2. The data can be stored/transferred to PC via the USB interface.
3. Sample compartment design enables use of a wide range of optional accessories.
4. New ARM system, built-in dual languages(Chinese & English)operating system.
5. High performance grating(1200lines/mm) and Imported Fiber Converter ensure the high performance.
6. Suspension type optical system and long optical path design improve the resolution, stability and reliability.
7. Socket design for Tungsten and Deuterium Lamp, so there is no need for professional adjustment while replacing a new one. Therefore users no longer need to hire professionals to change or adjust lamps which greatly improves reliability and cuts down on the maintenance expenses. The D2 Lamp and W Lamp can be controlled individually to extend the lifetime. You can switch off D2 lamp when in visible range or switch off W lamp when in ultraviolet range.
8. Built-in and Diverse Range of Measurement Modes. Photometry, Quantitative, Wavelength Scan, Kinetics, DNA/Protein Test, Multi-wavelength measurement and printing.
9. User Friendly Operation and Information Rich LCD Display.
320*240 dot-matrix high lighting LCD screen displays a large array of data also in graphical format. The seamless and chemical resistant keyboard is designed for easy and quick selection of navigation and function features whilst protecting against any laboratory spills.
10. Optional carousel 8 positions cell holder.

Overall Dimension & Weight

Shipping Package Dimension: 690mm*570*320mm

Gross Weight: 27kg

Net Weight: 25kg

Optional Accessories

5mm-100mm Glass Cuvettes &5mm-100mm Quartz Cuvettes

Tungsten Lamp &Deuterium Lamp

50mm-100mm Cell Holder

Carousel 8 positions Cell Holder

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Specifications:

Model	UV-1810	UV-1810S
Optical System	Ratio Double Beam, 1200L/mm Holographic Grating	
Wavelength	190-1100nm	190-1100nm
Spectral Band width	1nm	0.5/1/2/4/5/6nm
Wavelength Accuracy	+/-0.1nm(D2, 656.1nm) +/-0.3nm Full Range	
Wavelength Repeatability	<=0.1nm	<=0.1nm
Wavelength Set:	Automatic	Automatic
Work Mode	T, A, C	T, A, C
Photometric Accuracy	+/-0.3%T	+/-0.3%T
Stability	+/-0.0005A/H @500nm	+/-0.0005A/H @500nm
Stray Light	<=0.05%T	<=0.05%T
Baseline Flatness	+/-0.001A	+/-0.001A
Noise	+/-0.0005A	+/-0.0005A
Data Output	USB	USB
Display Mode	LCD	LCD
Detector:	Silicon Photodiode	Silicon Photodiode

Applications

Pharmaceutical production and quality control;
Bio-tech & life science;
Environmental monitoring & control;
Food & Beverage production and quality control;
Agricultural monitoring;
Clinical & forensic analysis;
Geology & metallurgy;
Gas & oil.

Included Accessories

1 Main Instrument
1 Power Cable
4 pcs 10mm Glass Cuvettes
2 pcs 10mm Quartz Cuvettes
1 Cell Holder
1 Tungsten Lamp
1 Deuterium Lamp
1 Singal Cable
Professional software

Double Beam UV Spectrophotometer



UV1900 series are double beam UV/VIS Spectrophotometers with a scanning function, wider range of spectrum and the highest quality components. Due to its built-in micro-computer system, plus excellent optical and electric circuit system, rational mechanical structure and a large LCD display screen, the instrument is effective and useful for lab analysis in industries.

UV1900 series UV/VIS Spectrophotometer is very easy to learn and the user-menu on the large LCD screen allows every item to be chosen and accepted corresponding to each operational step.

Being excellent practical UV/VIS Spectrophotometers, UV1900 series provide fast and simple analytical methods to be widely used in organic, inorganic, petroleum, pharmacy, environment, bio-chemistry, medicine, food and other national economy departments for QC and QA.

Features

1. High performance holographic blazing grating, 1200 line/mm, real double beam.
2. It is convenient to replace lamps due to the open type light source room.
3. Professional software based on Windows makes the model has versatile functions: Automatic scanning of the measured graph; Multi-wavelength(1-3T) measurement; Kinetics Measurement; First to third times curves fitting; First to Forth derivative graph; Storage, display and printing of the graphs and analytical datas.
4. Stray light: Equal or less than 0.02%T.
5. Noise: +/-0.0003A.
6. 24 bits high speed, high precision conversion between A and D.
7. New ARM System, built-in dual languages(Chinese & English)operating system.
8. It is able to store huge amounts of analytical datas, which also can be transfered to PC via the USB port.

Optional Accessories

5mm-100mm Glass Cuvettes
5mm-100mm Quartz Cuvettes
Tungsten Lamp & Deuterium Lamp
50mm-100mm Cell Holder

Overall Dimension & Weight

Shipping Package Dimension: 650mm*450*200mm
Gross Weight: 37kg
Net Weight: 35kg

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Specifications

Model	UV1900(UV1900PC)
Optical System	Double Beam, Holographic Grating 1200L/mm
Wavelength	190-1100nm
Bandwidth	2nm
Wavelength Accuracy	+/-0.1nm (656.1nm D2); +/-0.3nm Full range
Wavelength Repeatability	<=0.2nm
Wavelength Set:	Automatic
Work Mode	T, A, C, E
Photometric Accuracy	+/-0.3%T(0-100%T)
	+/-0.008A(1-2A)
	+/-0.004A(0.5-1A)
	+/-0.002A(0-0.5A)
Stability	+/-0.0005A/H @500nm
Stray Light	<=0.02%T(220nm, NaI; 340nm, NaNO ₂)
Baseline Flatness	+/-0.001A
Noise	+/-0.0003A
Data Output	USB
Display Mode	120 X 90mm LCD
Detector:	Silicon Photodiode

Applications

Pharmaceutical production and quality control;
Bio-tech & life science;
Environmental monitoring & control;
Food & Beverage production and quality control;
Agricultural monitoring;
Clinical & forensic analysis;
Geology & metallurgy;
Gas & oil.

Included Accessories

1 Main Instrument
1 Power Cable
4 x 10mm Glass Cuvettes
2 x 10mm Quartz Cuvettes
1 Cell Holder
1 Tungsten Lamp
1 Deuterium Lamp
1 Singal Cable
Professional software

Advanced UV Spectrophotometer



Features

1. 1nm bandwidth,
2. Absorbance, %T, Energy and Reflectivity modes.
3. High performance holographic blazed grating, 1200L/mm.

Functions

1. Photometric Measurement: it can measure the transmittance and absorbance of 6 wavelengths simultaneously.
2. Spectrum Measurement: Scanning of the transmittance, absorbance and energy in the wavelength range, and a variety of data processing, such as peak detection, derivative operations, spectrum operations, and so on.
3. Quantitative Measurement: Single wavelength, Double wavelength, Three wavelength and multi-wavelength measurement, one to nine work curve(First to Forth times) regression.
4. Kinetics Measurement: Time scanning of transmittance and absorbance at any wavelength setted and do various data operation.
5. Data Output: this item can store documents of datas and parameters, and analysis results can be output in standard common data files format.

Optional Accessories

- 5mm-100mm Glass Cuvettes
- 5mm-100mm Quartz Cuvettes
- Tungsten Lamp
- Deuterium Lamp
- 50mm-100mm Cell Holder

Overall Dimension & Weight

Shipping Package Dimension: 670mm*560*260mm(658*468*220)

Gross Weight: 35kg

Net Weight: 30kg

YK Scientific Instrument Co.,Ltd

Factory Add: No.228, Qingling Rd, Fengxian, Shanghai, China. 201414

Web: www.yk-instrument.com Email: sales@yk-instrument.com

Specifications

Model	UV1901
Optical System	Double Beam, Holographic Blazed Grating 1200L/mm
Wavelength	190-1100nm
Bandwidth	1nm
Wavelength Accuracy	+/-0.3nm Full range
Wavelength Repeatability	<=0.1nm
Wavelength Set:	Automatic
Work Mode	T, A, C, E
Photometric Accuracy	+/-0.3%T(0-100%T)
	+/-0.008A(1-2A)
	+/-0.004A(0.5-1A)
	+/-0.002A(0-0.5A)
Stability	+/-0.0005A/H @500nm
Stray Light	<=0.02%T(220nm, NaI; 340nm, NaNO ₂)
Baseline Flatness	+/-0.001A
Noise	+/-0.0003A
Data Output	USB
Display Mode	120 X 90mm LCD
Detector:	Silicon Photodiode

Applications

Pharmaceutical production and quality control;
Bio-tech & life science;
Environmental monitoring & control;
Food & Beverage production and quality control;
Agricultural monitoring;
Clinical & forensic analysis;
Geology & metallurgy;
Gas & oil.

Included Accessories

1 Main Instrument
1 Power Cable
4 x 10mm Glass Cuvettes
2 x 10mm Quartz Cuvettes
1 Cell Holder
1 Tungsten Lamp
1 Deuterium Lamp
1 Singal Cable
Professional software

Advanced UV Spectrophotometer



Features

4. Variable bandwidth, 0.5/1/2/4/5nm available.
5. Absorbance, %T, Energy and Reflectivity modes.
6. High performance holographic blazed grating, 1200L/mm.

Functions

6. Photometric Measurement: it can measure the transmittance and absorbance of 6 wavelengths simultaneously.
7. Spectrum Measurement: Scanning of the transmittance, absorbance and energy in the wavelength range, and a variety of data processing, such as peak detection, derivative operations, spectrum operations, and so on.
8. Quantitative Measurement: Single wavelength, Double wavelength, Three wavelength and multi-wavelength measurement, one to nine work curve(First to Forth times) regression.
9. Kinetics Measurement: Time scanning of transmittance and absorbance at any wavelength setted and do various data operation.
10. Data Output: this item can store documents of datas and parameters, and analysis results can be output in standard common data files format.

Optional Accessories

- 5mm-100mm Glass Cuvettes
- 5mm-100mm Quartz Cuvettes
- Tungsten Lamp
- Deuterium Lamp
- 50mm-100mm Cell Holder

Overall Dimension & Weight

Shipping Package Dimension: 670mm*560*260mm(658*468*220)

Gross Weight: 35kg

Net Weight: 30kg

YK Scientific Instrument Co.,Ltd

Factory Add: No.228, Qingling Rd, Fengxian, Shanghai, China. 201414

Web: www.yk-instrument.com Email: sales@yk-instrument.com

Specifications

Model	UV1901S
Optical System	Double Beam, Holographic Blazed Grating 1200L/mm
Wavelength	190-1100nm
Bandwidth	0.5/1/2/4/5nm
Wavelength Accuracy	+/-0.3nm Full range
Wavelength Repeatability	<=0.1nm
Wavelength Set:	Automatic
Work Mode	T, A, C, E
Photometric Accuracy	+/-0.3%T(0-100%T)
	+/-0.008A(1-2A)
	+/-0.004A(0.5-1A)
	+/-0.002A(0-0.5A)
Stability	+/-0.0005A/H @500nm
Stray Light	<=0.02%T(220nm, NaI; 340nm, NaNO ₂)
Baseline Flatness	+/-0.001A
Noise	+/-0.0003A
Data Output	USB
Display Mode	120 X 90mm LCD
Detector:	Silicon Photodiode

Applications

Pharmaceutical production and quality control;
Bio-tech & life science;
Environmental monitoring & control;
Food & Beverage production and quality control;
Agricultural monitoring;
Clinical & forensic analysis;
Geology & metallurgy;
Gas & oil.

Included Accessories

1 Main Instrument
1 Power Cable
4 x 10mm Glass Cuvettes
2 x 10mm Quartz Cuvettes
1 Cell Holder
1 Tungsten Lamp
1 Deuterium Lamp
1 Singal Cable
Professional software

Color Screen UV Spectrophotometer



Features

1. 7 Inch Color Screen

Users can do the measurement without connecting to PC with the large screen which can display the scanning curve and graph.

2. Measured values can be stored to Memory Stick

3. Measured result can be saved to Excel, txt or picture format (*csv, *qua, *tet, *bmp), which ensures users can edit the test report on PC.

4. Top-of-Line hardware

32 bits Cortex_M3 processor, clock speed can reach 120M.

5. Data Store Function

The RAM has the capability of saving 5000 groups of data and 200 curves which can be recalled anytime.

6. Excellent Auto-calibrated CT Optical System

7. Exported Long Service Life Lamps

8. Super PC Software

The software functions include (1)Kinetics (2)Quantitative (3)Wavelength Scan (4)Multi Wavelength Test (5)DNA/Protein Test.

And the software can be remotely updated.

YK Scientific Instrument Co.,Ltd

Factory Add: No.228, Qingling Rd, Fengxian, Shanghai, China. 201414

Web: www.yk-instrument.com Email: sales@yk-instrument.com**Technical Parameters**

Model	N5000	N5000Plus	N5000S Plus	N6000	N6000Plus
Optical System	Single Beam			Double Beam	
	1200mm/line Holographic Grating				
Wavelength Range	190-1100nm				
Spectral Slit Width	2nm	1nm	0.5/1/2/4nm	2nm	1nm
Wavelength Accuracy	+/-0.3nm				
Wavelength Repeatability	0.1nm				
Wavelength Resolution	0.1nm				
Display	7" Graphic LCD Screen (Resolution 800 x 400)				
Stray Light	Less or Equal 0.05%T (220nm, 340nm)				
Photometric Range	0-200%T, -0.3-3.0A, 0-9999C(0-9999F)				
Photometric Accuracy	+/-0.3%T				
Interface	USB DRIVE, USB HOST, RS232C				
Dimension	600 x 430 x 240mm				
Net Weight	16kg	23kg			

Touch Screen UV Visible Spectrophotometer



Show all the functions by
Three-dimensional figure



Self-diagnose when power on



Curves can loaded



Clarity wavelength graph



Radiating grating, output port



Cell holder

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Product Description

The super series UV Visible Spectrophotometer with a scanning function, wider range of spectrum and the highest quality components. Due to the built-in microcomputer system, plus advanced optical and electric circuit system, rational mechanical structure, strict demanding on technical process, and friendly intuitive graphical software UV-SUPER2.0, the New SUPER series is effective and useful for lab analysis in industries.

Features

1. Applied with 8 inch high resolution color LCD touch screen, friendly and easily to operate.
2. Excellent performance and outstanding stability
 - 1) Fully sealed monochromator and all optical mirror surfaces are coated with SiO₂ protective film, to protect the optical parts from the effects of the gas and the environment.
 - 2) Philips long life span Tungsten lamp and Hamamatsu Deuterium lamp.
 - 3) Adopt advanced guide screw structure, which ensures the wavelength accuracy and repeatability.
 - 4) Advanced 32 bit micro-controller (NXP ds-lpc3250), which frequency can reach 533 MHz.
 - 5) 64 bit high performance AD from BB Company, USA.
 - 6) 32M storage capacity, supports Mouse operation and large capacity SD card.
 - 7) Low Stray Light. The stray light is only 0.05%T which enables the users to decrease the analysis Relative Error greatly.
3. Easy to maintain
 - 1) Unique socket design for tungsten lamp and deuterium lamp, free of optical debugging, equipment debugging and maintenance after replacing lamps. So there is no need for professional adjustment while replacing a new one. Therefore users no longer need to hire professionals to change or adjust lamps which greatly improves reliability and cuts down on the maintenance expenses.
 - 2) To avoid cross effect, Optical path and circuit are separated.

Applications

1. Organic
2. Inorganic
3. Petroleum
4. Pharmacy
5. Environment
6. Bio-chemistry
7. Medicine
8. Food and other national economy departments

YK Scientific Instrument Co.,Ltd

Factory Add: No.228, Qingling Rd, Fengxian, Shanghai, China. 201414

Web: www.yk-instrument.com Email: sales@yk-instrument.com**Specifications**

Model	U3200	U5000	U5200	U5100	U5100PCS
Display	8 inches TFT				
Wavelength	190-1100nm				
Optical System	Single Beam	Double Beam			
Slit Width	2nm	2nm	2nm	1nm	0.5/1/2/4/5
Wavelength Accuracy	+/-0.5nm	+/-0.5nm	+/-0.3nm	+/-0.3nm	+/-0.3nm
Wavelength Repeatability	0.2nm	0.2nm	0.1nm	0.1nm	0.1nm
Scan Speed	High, Medium, Low				
Stray Light	0.05%T at 220nm, 360nm				
Light Source	Tungsten & Deuterium Lamp				
Output	USB & SD & Parallel Port for printer				
Power	AC 110V/60HZ or 220V/50HZ				
Dimension	48*36*19cm		59.5*43*21cm		
Weight	20kg		28kg		
Package Dimension	77×63×34cm		88×70×36cm		
Gross Weight	22Kg		30Kg		

Included Accessories

1 Main Instrument
 1 Power Cable
 4 x 10mm Glass Cuvettes
 2 x 10mm Quartz Cuvettes
 1 Cell Holder
 1 Tungsten Lamp
 1 Deuterium Lamp
 1 Singal Cable
 Professional software (U5100PCS)

Optional Accessories

5mm-100mm Glass Cuvettes
 5mm-100mm Quartz Cuvettes
 Tungsten Lamp
 Deuterium Lamp
 50mm-100mm Cell Holder