

UV-VIS Single Beam Spectrophotometer



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Description

This series of instruments is a low-price, high-performance spectrophotometer that can meet the needs of modern analytical laboratories for various quantitative analyzes of substances using spectral analysis methods. It is widely used in departments such as medicine and health, environmental protection, food industry, petrochemical industry, biochemistry, colleges and universities and quality control.

Advantage

- 1. Adopt 51 microcomputer system, which can store standard curve and test data.
- 2. The instrument has self-diagnosis function
- 3. Provide power outage protection
- 4. The instrument has built-in quantitative analysis software, which is convenient for users to operate.
- 5. Through simple parameter settings, photometric analysis, quantitative analysis, kinetic testing, spectral scanning, multi-wavelength testing, and DNA/protein analysis can be easily performed.
- 6. It has standard printer interface and RS-232 communication interface.

Specification

Model	SP-UV754N	SP-UV755B
Wavelength driver	Automatic wavelength	
Wavelength Range	200-1000nm	190-1100nm
Wavelength Accuracy	±2nm	±1nm
Wavelength Repeatability	0.5nm	0.2nm
Bandwidth	4nm	2nm
Transmittance accuracy	±0.5%T	
Transmittance repeatability	0.2%T	
Transmittance range	0.0-200%T	
Photometric range	-3-3A,0-200%T,0-9999C	
Stray light	0.2%T@220nm/360nm	
Stability	±0.002A/h@500nm	
Display	128x64 LCD display	
Output	USB Port (Optional Printer)	
Analyzing Software	Support	
Noise	0.001A/2min@500nm	
Baseline straightness	0.002A/h	
Consumption	120W	
Power Supply	AC 220/110V, 50/60Hz	
Shipping Size(WxDxH)(mm)	680×560×300	
N.W./G.W.(kg)	16/20	



Advantage

- 1. Equipped with 2.5-inch LCD, displaying the test results and standard curve.
- 2. It can establish various standard curves according to the solution and determine the unknown solution's concentration.
- 3. SP-UV5100 UV spectrometer is equipped with an imported deuterium lamp, which makes the luminosity more accurate and reduces stray light.
- 4. Equipped with a USB interface, it can be connected to PC.
- 5. It can display wavelength, absorbance and transmittance with 5 results per screen. It also has memory storage for up to 200 results.
- 6. The arrow keys can automatically set the wavelength to avoid operation errors.

Specification

Model	SP-UV5100
Optical System	Single beam, Grating 1200 lines/mm
Wavelength Range	190-1000nm
Bandwidth	2nm
Wavelength Accuracy	±2nm
Wavelength Repeatability	0.5nm
Wavelength Setting	Auto
Photometric Accuracy	±0.5%T
Photometric Repeatability	≤0.2%T
Photometric Range	-0.3-3A, 0-200%T, 0-9999C
Photometric Mode	T, A, C, F
Stray Light	≤0.1%T
Stability	± 0.002A/h @ 500nm
Display	128x64 LCD
Detector	Silicon Photodiode
Light Source	Tungsten Lamp&Deuterium Lamp
Output	USB & Parallel Port(Printer)
Power Supply	AC 85-250V
External Size(W×D×H)(mm)	420x280x180
Shipping Size(W×D×H)(mm)	600x460x330
N.W./G.W. (kg)	12/15

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