

Visible Single Beam Spectrophotometer



Advantage

- 1. A 2.5 inch LCD screen is included to display standard curves and groups of results.
- 2. Various standard curves can be established based on the customer's solutions to determine the concentration of unknown solutions.
- 3. The device has a USB port for data output, which can be connected to a PC to display spectrum scanning, kinetics, and multi-wavelength testing results on the screen.
- 4. The device can display wavelength, absorption, and transmittance with 5 results per screen and store up to 200 results in its memory.
- 5. Users can set the wavelength automatically using arrow keys to avoid operation errors.

Specification

Model	SP-V5100
Optical System	Single beam, Grating 1200 lines/mm
Wavelength Range	325-1000nm
Bandwidth	4nm(optional 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
Output	USB Port & 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)	10/14

Visible Single Beam Spectrophotometer



Advantage

- 1. Adopting screw structure, wavelength accuracy and resolution are greatly improved
- 2. can automatically set the wavelength through the direction key to avoid operating errors
- 3. Adopting microprocessor control, numeric keys can easily set all parameters.
- 4. Equipped with USB port, can be connected to PC. Spectral scanning, kinetics and multi-wavelength test results can be displayed on the screen.
- 5. 8 mm thick rigid die-cast aluminum base is used as an optical mount to ensure the stability and reliability of the instrument.
- 6. The instrument can establish various standard curves according to the customer's solution and determine the concentration of the unknown solution.

Specification

Model	SP-V5600	SP-V5800
Optical System	Single Beam	
Wavelength Range	320-1100nm	
Bandwidth	2nm	
Wavelength Accuracy	±0.5nm	
Wavelength Repeatability	≤0.2nm	
Wavelength Setting	Auto	
Photometric Accuracy	±0.3%T	±0.2%T
Photometric Repeatability	0.2%T	
Photometric Range	-0.3-3A, 0-200%T, 0-9999C	
Stability	± 0.001A/h @ 500nm	
Baseline Flatness	± 0.002A/h	
Stray Light	≤0.05%T@220nm, 360nm	
Data Output Port	USB	
Printer Port	Parallel Port	
Display	128x64 Dots LCD	
Lamps	Tungsten Lamp	
Detector	Silicon Photodiode	
Power Supply	AC 220V/50Hz or 110V/60Hz	
External Size(W×D×H)(mm)	460x360x225	
Shipping Size(W×D×H)(mm)	630x540x380	
N.W./G.W. (kg)	16/20	