V-5000

Visible Spectrophotometer

Features

● Latest Microprocessor Controlling System
One button auto zero calibration and 100%T calibration.
128*64 LCD display, direct readout of Transmittance, Absorbance and Concentration.
● Precision 1200 lines/mm Grating Monochromator
Ensure high photometric resolution, high accuracy and low stray light.
● Easy Data Output by USB/Parallel Port
USB Port: Connect to computer and operate through PC software. (PC software is optional.)
Parallel Port: Connect to micro thermal printer to print test data. (Micro thermal printer is optional.)
● Wide Sample Chamber Enables Multi-functions
120mm wide sample chamber and long optical path monochromator provide enough space for optional accessories.
● Four Display Modes; One-Button Quick Switching
Transmittance, Absorbance, Concentration and Factor (Coefficient) mode.

Technical Specification

Model	V-5000		
Optical System	Single Beam, grating 1200 lines/mm	Photometric Range	-0.3-3A, 0-200%T, 0-9999C
Wavelength Range	325-1000nm	Photometric Mode	T, A, C, F
Spectral Bandwidth	4nm	Stray Light	≤0.2%T at 360nm
Wavelength Accuracy	±2nm	Display	128*64 Dots LCD
Wavelength Repeatability	≤0.5nm	Detector	Silicon Photodiode
Wavelength Setting	Manually	Output	USB Port & Parallel Port
Photometric Accuracy	±0.5%T	Light Source	Tungsten Lamp
Photometric Repeatability	≤0.2%T	Power Requirements	AC 85~250V

Standard Accessories

Item	Description	Quantity	Unit
1	Spectrophotometer	1	unit
2	1cm Glass cuvette	4	pcs
3	Power cord	1	pcs
4	User's manual	1	pcs
5	Black block	1	pcs
6	Dust Cover	1	pcs

V-5100   Visible Spectrophotometer
UV-5100   UV Visible Spectrophotometer

Features

● 2.5 inches High-Definition LCD Display
Standard curve and test results are clearly displayed.
● High-quality Tungsten Lamp and Deuterium Lamp
Longer service life, much more stable.
Lower stray light, higher photometric accuracy.
● Quick to Establish Standard Curve
Quick to establish standard curve and measure the unknown samples.
● Easy Data Output by USB/Parallel Port
USB Port: Connect to computer and operate through PC software. (PC software is optional.)
Parallel Port: Connect to micro thermal printer to print test data. (Micro thermal printer is optional.)
● Multiple Results Readout, Large Storage Capacity
Display 5 lines of results per page, including wavelength, absorbance and transmittance.
Up to 200 groups of test results can be saved in device directly.
● Automatic Wavelength Setting
Set wavelength by arrow keys to reduce misoperation.

Technical Specification

Model	V-5100	UV-5100	Model	V-5100	UV-5100
Optical System	Single beam, grating 1200 lines/mm		Photometric Range	-0.3-3A, 0-200%T, 0-9999C	
Wavelength Range	325-1000nm	190-1000nm	Photometric Mode	T, A, C, F	
Bandwidth	2nm		Stray Light	≤0.1%T at 360nm	≤0.1%T at 220nm & 360nm
Wavelength Accuracy	±2nm		Stability	≤0.002A/30min at 500nm	
Wavelength Repeatability	≤0.5nm		Display	128*64 Dots LCD	
Wavelength Setting	Automatically		Detector	Silicon Photodiode	
Wavelength Resolution	0.1nm		Light Source	W Lamp	W Lamp & D2 Lamp
Photometric Accuracy	±0.5%T		Output	USB port & Parallel Port	
Photometric Repeatability	≤0.2%T		Power Requirements	AC 85~250V	

Standard Accessories

Item	Description	Quantity	Unit
1	Spectrophotometer	1	unit
2	1cm Glass cuvette	4	pcs
3	1cm Quartz cuvette (only UV model)	2	pcs
4	Power cord	1	pcs
5	User's manual	1	pcs
6	Dust cover	1	pcs