

UV-Visible Spectrophotometer



Automatic Wavelength Setting



Quick to Establish Standard Curve



Easy Data Output by USB/Parallel Port



High-quality Tungsten Lamp and Deuterium Lamp



**HV-5100/HUV-5100
HV-5800/HUV-5800**

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HV-5100 Visible Spectrophotometer **HUV-5100 UV-Visible Spectrophotometer**



HV-5100



HUV-5100

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	HV-5100	HUV-5100
Optical System	Single beam, grating 1200 lines/mm	
Wavelength Range	325-1000nm	190-1000nm
Bandwidth	2nm	
Wavelength Accuracy	±2nm	
Wavelength Repeatability	≤0.5nm	
Wavelength Setting	Automatically	
Wavelength Resolution	0.1nm	
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 at 360nm	≤0.1%T at 220nm & 360nm
Stability	≤0.002A/30min at 500nm	
Display	128*64 Dots LCD	
Detector	Silicon Photodiode	
Light Source	W Lamp	W Lamp & D2 Lamp
Output	USB port & Parallel Port	
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

HV-5800 Visible Spectrophotometer **HUV-5800 UV-Visible Spectrophotometer**



HV-5800



HUV-5800

Features



Precision Lead Screw Structure

Higher wavelength accuracy and wavelength resolution (0.1nm).



Complete Numerical Keys; Automatic Wavelength Setting

All parameters can be easily set, like wavelength and concentration.



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 thermo printer is optional.)



8mm thick Optical Base

All optical components are fixed on a 8mm thick rigid die-cast aluminum board to promise higher stability and reliability.



Imported 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.

Technical Specification

Model	HV-5800	HUV-5800
Wavelength Range	320-1100nm	190-1100nm
Bandwidth	2nm	
Wavelength Accuracy	±0.5nm	
Wavelength Repeatability	≤0.2nm	
Wavelength Setting	Automatically	
Photometric Accuracy	±0.2%T	
Photometric Repeatability	≤0.1%T	
Photometric Range	-0.3-3A, 0-200%T, 0-9999C	
Stability	≤0.001A/30min at 500nm	
Stray Light	≤0.05%T at 360nm	≤0.05%T at 220nm & 360nm
Output	USB port & Parallel Port	
Display	128*64 Dots LCD	
Light Source	W Lamp	W Lamp & D2 Lamp
Detector	Silicon Photodiode	
Power Requirements	AC110/220V, 50/60Hz	

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
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