

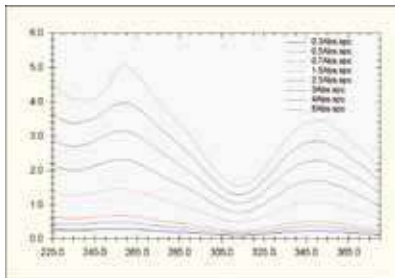
UV-VIS Spectrophotometer UV-3600 UV-3300 Series



UV-3600 UV-VIS Spectrophotometer :-

<0.0003% UV Lower Stray Light :

The world leading dual-monochromator dispersion system design achieves low stray less than 0.0003% T, While the holographic grating with groove density 1800mm improving test result accuracy with better linearity



5Abs linearity Range:

With a wider linear range, high-concentrated samples can be tested without any pre-dilution, and inseparable samples can be directly.

Test Objective: 0.005mol/L $K_2Cr_2O_7$ in H_2SO_4 solution.

Instrument for test: Analytical UV-3600 Plus

Instrument sets:

Wavelength range - 225nm-380nm

bandwidth - 2nm

scanning step - 0.5nm

6 Steps Variable Bandwidth

6 tunable bandwidths of 0.1nm, 0.2nm, 0.5nm, 1nm, 2nm and 2nm.

Test Objective: Benzene Steam

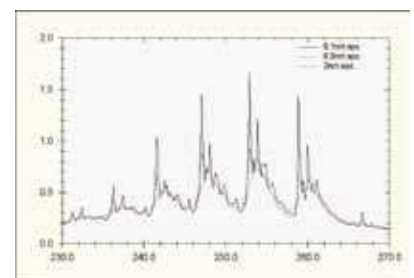
Instrument for test: Analytical UV-3601

Instrument sets:

Wavelength range - 230nm-270nm

scanning speed - low

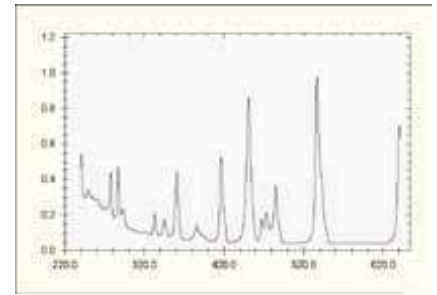
Wavelength step - 0.05nm



Excellent Wavelength Accuracy

Better wavelength accuracy ensures confidence in the test results.

Number	Standard Wavelength Ho2O3 Solution(nm)	Measured wavelength(nm)	Wavelength error (nm)
1	640.7	640.6	-0.1
2	536.9	536.7	-0.2
3	485.1	485.2	+0.1
4	451.1	451.05	-0.05
5	416.4	416.45	+0.05
6	361	360.95	-0.05
7	333.4	333.35	-0.05
8	287.5	287.4	-0.1
9	278	277.95	-0.05
10	241.1	241	-0.01



Test Objective: Ho ₂ O ₃ Solution
Instrument for test: Analytical UV-3600
Instrument sets:
Wavelength range - 240nm-642nm
Bandwidth - 2nm
Scanning speed - Low
Scanning step - 0.05nm

UV-3300 UV-VIS Spectrophotometer :-

High Cost Performance

High Performance

Low stray light $\leq 0.03\%T$
0.5nm resolution
Various spectral bandwidth Selection

Better Usability

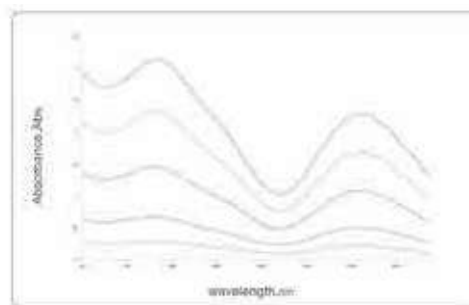
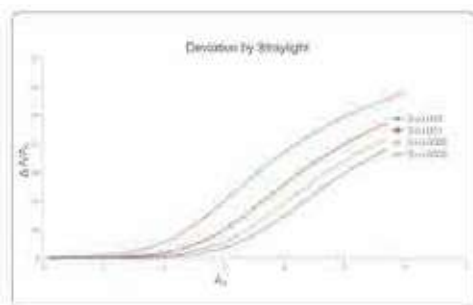
Built-in formulas and methods, operable both via panel and workstation

User Friendly

TFT color screen & compact design; Complete connectivity; LAN USB host & device

> UV-low stray light design for more precise measurement

stray light $\leq 0.03\%T$ under each bandwidth



Easy to Use

- > Support Flash disk storage and USB print Connectable to PC via LAN and USB ports.
- > 7" TFT color screen WVGA(800x480), Graphical interface Water-proofing desing keyboard Knob button for simple operation.



UV SPECTRA™ Control Software

Friendly Interface

UV workstation adopt intuitive RIBBON style interface design. With the help of build-in measuring mode, UV can easily meet the need from basic measurement to sophisticated research analysis. By dividing the measuring process into “3-Steps”, user could comfortably accomplish the process from method edition, measuring operation and results reporting.



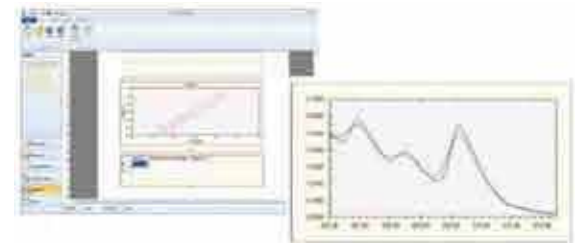
Versatile test solutions

UV includes all your needs for spectrum scanning, kinetic testing, photometric measuring and quantitative analysis. With robust data processing function such as interpolation method, grand average, arithmetic and data set, UV satisfy the most sophisticated application requirements.



Flexible report design

UV report editor is powerful and flexible, by adopting the principle of “what you see is what you get”, you can input related data in right position based on requirements. The report can be saved as template for future usage.



GLP/GMP regulations compliance

UV is totally compliance with GLP/GMP regulatory. It ensures the data authenticity & standardability by build-in user account access control, audit trail and encrypted data saving algorithm.



Accessories:-

➤ Automatic 8-cell holder

Enable the automatic switching and measuring of eight 10 mm square cuvettes.

➤ Solid sample holder

Used for transmittance/absorbance measurement of a solid sheet sample Sample Size: 80L x 40W x 20H mm

➤ Absolute Reflectance Attachment

Used for tasting materials with optical surface, or semi-conductive materials. 5° Incident: angle can reduce the polarized light to the least to the least. Max. sample Size: 100L x 160W x 15H mm

➤ Rectangular long-path cell holder

Holds two long path cells (light path 5-100mm)

➤ Integration sphere

Designed for diffuse reflectance measurement of solid sample surface and absorbance measurement of a turbid sample. Wavelength: 230-850nm, ID of sphere:60mm.

➤ Diverse types of cuvettes

Diverse Quartz and glass cuvettes with different light path and volume.

Specifications:-

Performance Parameters of UV-3600 series

Model	UV-3600 Plus	UV-3601	UV-3600
Stray Light	≤0.0003%T	≤0.015%T	≤0.015%T
Spectral Bandwidth	0.1/0.2/0.5/1/2/4nm	0.1/0.2/0.5/1/2/4nm	2nm
Wavelength range	190nm-900nm		
Wavelength Accuracy	± 0.3nm(H ₂ O ₃ solution)		
Wavelength Reproducibility	0.1nm(H ₂ O ₃ solution)		
Photometric Range	5Abs	4Abs	4Abs
Wavelength range	190nm-900nm		
Wavelength Accuracy	± 0.002Abs (0-0.5A)		
	± 0.004Abs (0.5-1A)		
	± 0.03%T (0-100%A))		
Wavelength Reproducibility	0.001Abs (0-0.5A)		
	0.002Abs (0.5-1A)		
Baseline Flatness	± 0.0008Abs		
Baseline Drift	0.0003Abs/h (250nm/500nm, 2.5h preheat)		
Scan Speed	Hi Med Slow, Max 10000nm/min		
Noise	± 0.0002Abs (250nm/500nm, 0.5preheat)		
Detector	Photomultiplier		
Software	UV SPECTRA™ Cntrol Software		

Performance Parameters of UV-3300 series

Model	UV-3300 Plus	UV-3300	UV-3200 Plus	UV-3200
Light Path	Double beam	Double beam	Ratio beam	Ratio Beam
Spectral Bandwidth	0.5/1/2/4nm	1 or 2	0.5/1/2/4	1 or 2
Wavelength Reproducibility	0.1 nm	0.1nm	0.1nm	0.1nm
Wavelength Accuracy	±0.3nm	±0.3nm	±0.3nm	±0.3nm
Wavelength Range	190-1100nm	190-1100nm	190-1100nm	190-1100nm
Noise	±0.00004A	±0.00004A	±0.00004A	±0.00004A
Drift	0.0005Abs/hr	0.0005Abs/hr	0.0005Abs/hr	0.0005Abs/hr
Stray Light	≤0.03%T	≤0.03%T	≤0.03%T	≤0.03%T
Spectrum scanning	Standard			
Scan Speed	Hi Med Slow, Max 10000nm/min			
Screen	7" TFT color screen WVGA (800x480)			
Direct Printing	Available			
USB Storage	Available			
Built-in Methods	Available			
Workstation	Available			

UV-3600 Accurate & Powerful



- 0.0003
%T Unique dual-monochromator optical design, 0.0003%T UV-Low Stray light.
- 5
Abs Linear range 5Abs, accurate test for high-concentrated samples without pre-dilution.
- 0.1
nm 0.1 nm optical resolution with six options for spectral bandwidth selection.
- ±0.3
nm Test with ±0.3nm wavelength accuracy ensures confidence.
- Better
Durability High precision processes and high quality techniques achieve higher durability.
- More User
friendly Test with ±0.3nm wavelength accuracy ensures confidence.

UV-3600 series UV-VIS Spectrophotometer achieved UV low stray light under 0.0003% T, by the advanced optical design with build-in dual monochromator. This low stray light level makes precise measuring of high concentration sample possible. Meanwhile, the sample chamber is suitable for various accessories, which enlarge the scope of application to meet diverse requirements.

UV-3300 Accurate & Powerful



- Light
Path Double-beam and split beam designs.
- 0.03
%T UV-;low stray Light: ≤ 0.03%
- 0.5
nm 0.5nm optical resolution with 4 spectral bandwidth 0.5/1/2/3nm.
- Better
Durability Versatile test solutions, with built-in bio-analytical methods.
- Friendly
Design 7" TFT screen WVGA (800 x 480), water-proofing keyboard design
- Data
Processing Support storage & printing with USB devices, Controllable by UV workstation for extended functions.

UV-3300 series UV-VIS Spectrophotometer could help you to accomplish various analysis by its advanced design and user-friendly interface. With its build-in high resolution color screen and water-proof keyboard, you can easily scan spectrum, monitor kinetic, measure unknown sample concentration or even print the report directly via simple operation.

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

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Analytical
Foundation

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▶▶▶ Reach us @



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