

P5 Split Beam UV/Vis Spectrophotometer

ultrassayTM P5 UV/Vis spectrophotometer is a mid-end product of P Series. Split beam design, large color screen design, external tablet based on Windows OS connected via Bluetooth. Powerful functions, rich interfaces and simple operations make it suitable for scientific research, biology, pharmacy, food, environmental protection and other applications.





Technical Specifications

Model		P5 Split Beam UV/VIS Spectrophotometer		
Optical System		Split Beam		
Light Source		Deuterium Lamp, Tungsten Lamp		
Detector		Silicon Photodiode		
Bandwidth		2nm		
Wavelength	Range	190 ~1100 nm		
	Accuracy	±0.5 nm		
	Repeatability	$\leq 0.3 \text{ nm}$		
	Display	0.1 nm		
	Gyration speed	5000 nm/min		
	Scan speed	100 ~ 4000 nm/min		
Photometric	Range	-4 ~ 4 A, 0 ~ 400%T, 0 ~ 9999.9C		
	Accuracy	±0.002A @ 0.0 ~0.5 A, ±0.004A @ 0.5 ~ 1 A, ±0.3%T @ 0 ~ 100%T		
	Repeatability	$\leq 0.001 \text{ A} @ 0.0 \sim 0.5 \text{ A}, \leq 0.002 \text{ A} @ 0.5 \sim 1 \text{ A}, \leq 0.15 \% \text{T} @ 0 \sim 100\% \text{T}$		
	Noisy	\leq 0.0003A @ 0.0 ~ 0.5 A, 500 nm, \leq 0.0006 @ 1A, 500 nm, \leq 0.0008 A @ 2A, 500 nm		
Drift		\leq 0.0003 A/h @ 500 nm, 2 hours after preheating		
Stray Light		≤ 0.05 %T @ 220, 360 nm		
Baseline Flatne	SS	± 0.001 A		
		Tablet based on Windows 10		
Control Panel		10. 1-inch Capacitive Touch Screen, 64 GB storage, 1920×1080 display resolution,		
		Bluetooth, Wi-Fi, HDMI, SD card, USB-A, USB-B, connectable to a mouse, keyboard,		
	1	etc		
	Standard	10 mm manual 4-position cell holder		
Sample		10-50mm Manual 4- cell Holder, 10-100mm Manual 4-cell Holder, 10mm Auto 8-cell		
holder	Optional	Holder, 10-100mm Auto		
		5-cell Holder, Micro Holder, Peltier/Sipper System, Reflectance Accessories, Solid		
		Sample Holder, Water-jacketed 1/4-cell holder, Test Tube holder, etc		
Function		Photometric, Quantitation, Multi Wavelength, Spectrum, Time scan, Kinetics,		
		DNA/Protein, Dual component, Custom Method, File Manager, System, Performance		
		Verification		
Language		Multiple languages, switchable		
Power		100 ~ 240 V AC, 50/60 Hz, 120 W		
Dimension		456 (W) × 360 (D)× 185 (H) mm		
Weight		11 kg		



Features

Anticorrosive Holder

- Easy to use;
- Accurate;
- Anticorrosive.

Leaky Hole

• Protect the instrument.

Removable Sample Room Panel

• Easy to replace accessories.

Lamp Room Cover

• Easy to replace lamps.

External Tablet

• WIFI connectivity to printers.

Color Screen

- High resolution;
- Friendly UI;
- Bluetooth connectivity;
- 1. Wide sample room, suitable for 5~100 mm sample holders and other accessories;
- 2. Aluminum die-casting base and all-molded plastic shell make the instrument stronger and more durable;
- 3. The computer can be connected by USB or Bluetooth and the instrument can be controlled by software;
- 4. Equipped with UV Studio analysis software and built-in analysis modules. User-defined methods are supported to meet the measurement requirements of scientific research;
- 5. The new wavelength driving mechanism greatly improves the wavelength accuracy and repeatability, and effectively reduces the noise (patented);
- 6. The low-stray light 1200 l/mm holographic grating and the optimized split beam design ensures high accuracy;
- 7. Software design fully complies with 21CFR requirements stipulated in Pharmacopoeia. By GLP/GMP function, you can track and manage instrument performance and data;
- 8. External tablet computer (64GB SSD memory, 10-inch IPS color LCD touch screen, capacitive 10-point touch) provides excellent display effect, simple operation and good scalability;
- 9. By a wide variety of interfaces, you can connect keyboards, mouses, projectors and printers to input and output data and access a network for remote control and data sharing.

YBO TECHNOLOGIES CO., LTD.



Functions

Photometry

- One button A/T conversion
- Input coefficient K

Custom Method

- Edit formulas as needed;
- Formulas can be used for multiple modules;
- Formulas can be added, modified and saved as necessary.

Multi Wavelength

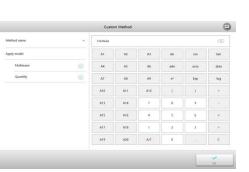
- Measure up to 20 wavelengths at a time;
- Customize formulas for data calculation;
- User-selectable one-point measurement times (1-50)
- Parameters can be saved and loaded;
- Results can be recorded, renamed, deleted, saved, printed and exported.

Quantitation

- Single wavelength, dual wavelength (difference, ratio), three wavelength and custom methods;
- 3 ways to establish a standard curve (input coefficients, measure 2~20 standard samples or input absorbance and concentration values of standard samples)
- 4 fitting methods (linear through zero, linear, quadratic, cubic)
- Parameters can be saved and loaded;
- Standard samples can be saved and loaded;
- Built-in common concentration units and user-defined units;
- Diagram of measure values are displayed and results are determined automatically;
- Results can be recorded, named, deleted, saved, printed and exported;
- Customize report layouts.

VDA	TEC	INO	OCIE		ITD
YDU		пил	AATE	SUU.	, LTD.

Countration - New Method Canadian Measurement Singli Ni - 6 A1 A1 M A2 A3 A3 A3 A2 A3 A3 A4 A2 A3 A3 A3 A3 A3 A3 A4 A3 A3 A4 A4 A3 A3 A4 A4 A3 A4 A5 A4 <



0.2520



YBOTECH

Spectrum

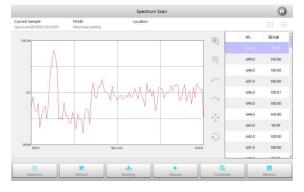
- User-selectable scanning speed (low, medium, high);
- User-selectable scanning interval (0.1, 0.2, 0.5, 1, 2, 5nm);
- A/T display mode switchable;
- Automatic peak search;
- Point by point (peak) view, mark and select;
- Rich map processing functions;
 (arithmetic operation, derivation, area and 3D map);
- Adaptive coordinates and a variety of ways to modify coordinates;
- Curves and data can be deleted, saved, printed and exported;
- Curves and results can be saved and printed automatically;

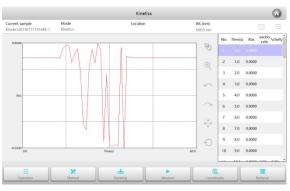
Kinetics

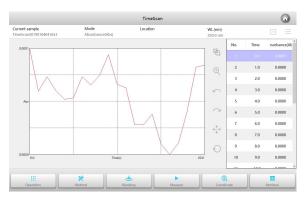
- Unlimited scanning time;
- Delay time and interval can be customized;
- Automatically calculate kinetic rates;
- Point by point (peak) view, mark and select;
- Adaptive coordinates and a variety of ways to modify coordinates;
- Curves and data can be deleted, saved, printed and exported;
- Curves and results can be saved and printed automatically;

Time scan

- Unlimited scanning time
- Scan Interval can be customized;
- Point by point (peak) view, mark and select;
- Curves and data can be deleted, saved, printed and exported;
- Curves and results can be saved and printed automatically;







YBO TECHNOLOGIES CO., LTD.



Packing List

Part No.	SN	Description	Qty
	1	Instrument	1 set
	2	User's manual	1pc
	3	Cuvette quartz, 10mm	2pcs
Р5	4	Cuvette glass,10mm	4pcs
	5	Power cable (national standard)	1pc
	6	Dust cover	1pc