



**Prazise™ Series**  
UV/Vis Spectrophotometer

# Praz 7 / Praz 8 / Praz 9

## Double Beam UV / Vis Spectrophotometer



## Praz 7 / Praz 8 / Praz 9 Double Beam UV / Vis Spectrophotometer

UV/Vis spectrophotometer is the high level products Double beam with large color touch screen based Windows operation system with rich interface, easy to operate, it's the right choice for scientific research, biology, pharmaceutical, food, environmental protection and other areas.

### Double Beam Design

Double beam can monitor the sample and blank variability at the same time, and the measurement results are recorded accurately, then reduced measurement error to minimum.

### Built-in Computer

Built-in computer with Windows operating system, based on the rich data interface (USB, Ethernet, HDMI, VGA etc.), convenient for users to connect the universal printer, memory card, mouse, keyboard, display and so forth, and can be extended to WIFI, Bluetooth and other wireless devices.

### Color Touch Screen

10.1 inch high resolution capacitive color touch screen. Support 10 point touch. Combined with the friendly interface, a nice working experience for users.

### GLP/GMP

The instrument design was completely followed by GLP/GMP. Build-in perfect user management, data storage, traceability and other functions.

### Extensive Accessories

Instrument can be convenient to use 8-cell Automatic holder, Peltier/Sipper System, Reflection accessories and so forth, greatly expanding the application field of the instrument.

Double Beam

High Precision  
High Stability

D2 Lamp.  
Tungsten Lamp

Stable,  
Accuracy

Built-in  
Computer

Based  
Windows

Color  
Touch Screen

Friendly  
Interface

GLP/GMP

Data Traceable

# Application Function

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## **Photometric Measurement**

Testing Abs. or %T at one wavelength.

## **Multi-wavelength Measurement**

Testing Abs. or %T under several different wavelengths, and calculate the values with build-in or custom methods.

## **Time Scanning**

Test the variability of Abs or %T with time at any wavelength.

## **Kinetics**

Test Abs at any wavelength in some time. It can used to monitor the reaction of enzyme with time, then calculate the activity of enzyme. It can also calculate the reaction rate of sample by setting the differential interval time.

## **Quantitative Measurement**

Establish calibration equation curve with standard samples or input known formula directly, then testing the unknown sample concentration with the curve. Support the use of built-in or custom methods to establish standard curves.

## **DAN/Protein Measurement**

Testing concentration of DNA,RNA,Protein with suitable methods.

## **Spectrum Scanning**

Scanning the full wavelength with suitable interval to get the Abs or %T, and checking peak, valley and processing the spectrum using the build-in method.

## **Custom Method**

Customize the calculation methods according the user's requirement, and applied to the corresponding measurement mode.

## **Praz 5 / Praz 6 Double Beam** UV / Vis Spectrophotometer





## Praz 5 / Praz 6 Split Double Beam UV / Vis Spectrophotometer

UV/Vis spectrophotometer is high-mid level products Split double beam design, large color screen design, external connection tablet computer based on Windows operating system via Blue tooth. Powerful functions, rich interface, simple operation, suitable for scientific research, biotechnology, pharmaceutical, food, environmental protection and other field.

### Split Double Beam Design

Can monitor light source changes, compare the reference light path, then record the measurement results, and then can minimize the measurement error caused by the light source.

### Wireless Connected Tablet PC

Based on the Windows tablet computer operating system, connect instrument through the Bluetooth wireless connection, rich data interface (USB, WIFI, Bluetooth, HDMI etc.), convenient for users to connect the universal printer, memory card, mouse, keyboard, display and so forth.

### Color Touch Screen

8 inch high resolution capacitive color touch screen. Support multiple points touch. Combined with the friendly interface, a nice working experience for user!

### GLP/GMP

The instrument design was completely followed by GLP/GMP. Build-in perfect user management, data storage, traceability and other functions.

### Extensive Accessories

Instrument can be convenient to use 8-cell Automatic holder, Peltier/Sipper System, Reflection accessories and so forth, greatly expanding the application field of the instrument.

### Quality Assurance

The base is made of aviation material, one time die casting. The shell is made of high strength material, the precision injection molding process is more beautiful. Strong, to ensure the accuracy of the instrument, reliability and durability

**Split Double Beam**

High Precision,  
High Stability

**D2 Lamp,  
Tungsten Lamp**

Stable,  
Accuracy

**Built-in  
Computer**

Based  
Windows

**Color  
Touch Screen**

Friendly  
Interface

**GLP/GMP**

Data Traceable

# Application Function

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## **Photometric Measurement**

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Establish calibration equation curve with standard samples or input known formula directly, then testing the unknown sample concentration with the curve. Support the use of built-in or custom methods to establish standard curves.

## **DAN/Protein Measurement**

Testing concentration of DNA,RNA,Protein with suitable methods.

## **Spectrum Scanning**

Scanning the full wavelength with suitable interval to get the Abs or %T, and checking peak, valley and processing the spectrum using the built-in method.

## **Custom Method**

Customize the calculation methods according the user's requirement, and applied to the corresponding measurement mode.

**Praz 1 / Praz 2 / Praz 3 / Praz 4**  
**Single Beam**  
UV / Vis Spectrophotometer





# Main Specifications

Model	Praz 1	Praz 2	Praz 3	Praz 4	Praz 5	Praz 6	Praz 7	Praz 8	Praz 9
Appearance									
Optical System	Single Beam				Split Double Beam		Double Beam		
Light Source	D2 Lamp, Tungsten Lamp Tungsten Lamp				D2 Lamp, Tungsten Lamp				
Wavelength Range	195 - 1050 nm 320 - 1050 nm		190 - 1100 nm 315 - 1100 nm		190 - 1100 nm				
Spectrum Bandwidth	4 nm	2 nm	4 nm	2 nm	1.8 nm	1 nm	1.8 nm	1 nm	0.5/1/2/4/5 Auto Adjustable
Spectrum Scanning	No		Yes						
Display	5 Inch Color Touch Screen				8 Inch Color Touch Screen		10.1 Inch Color Touch Screen		
Operation System	/				Microsoft Windows				
Output	USB, Serial Port, Bluetooth (Optional)				USB, Bluetooth, WIFI, HDMI		USB, Ethernet, HDMI, VGA, WIFI (Optional), Bluetooth (Optional)		