



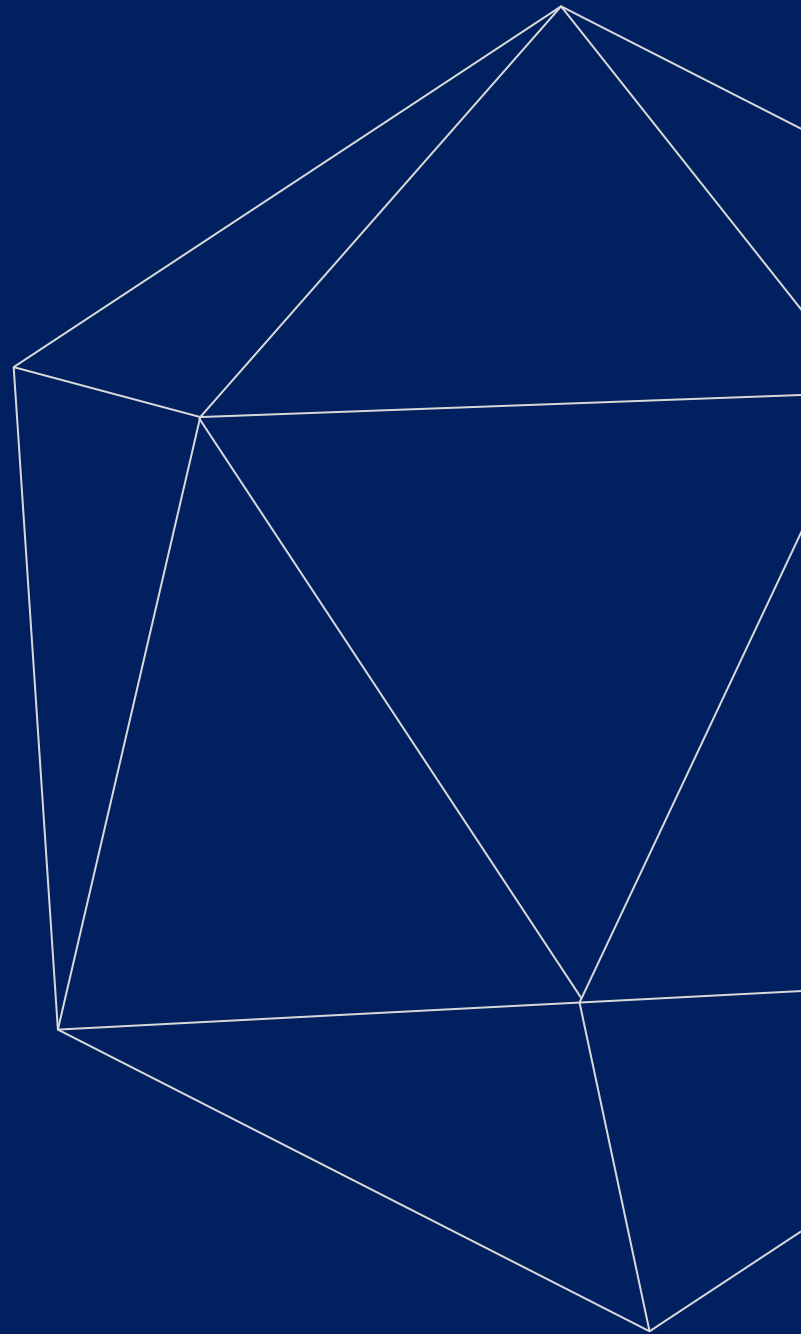
LABORATORY LINES

UV VISIBLE
SPECTROPHOTOMETER



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YR Series 2022 Version

UV Visible Spectrophotometer

- High-performance Hardware
- HD Smart Touch Screen
- Easy Operation
- Fast Response



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Fully New Experience

Create A New Era of Natural Interaction



Reliable data



Super sensitive touch



Imported light sources



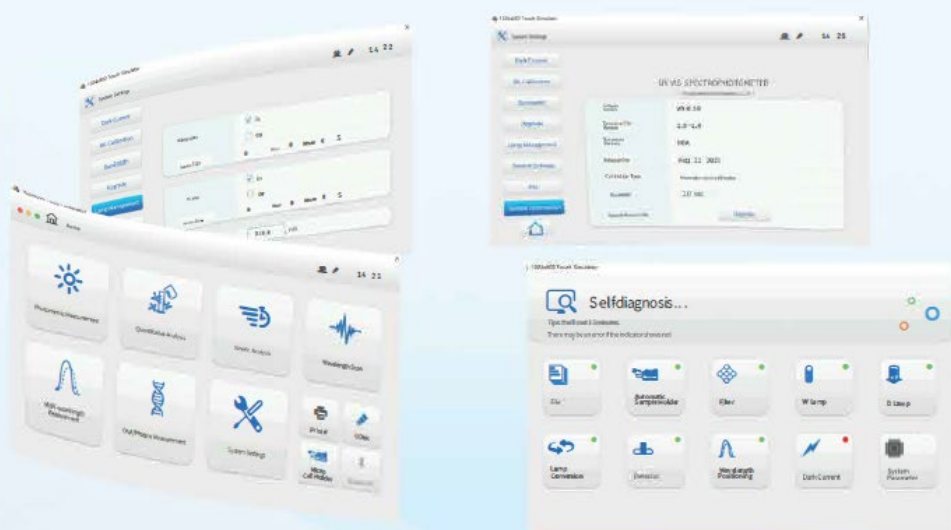
Dual-mode operation



Wireless data transmission



Adjustable bandwidth



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Double Beam UV/VIS Spectrophotometer (Touch Screen)

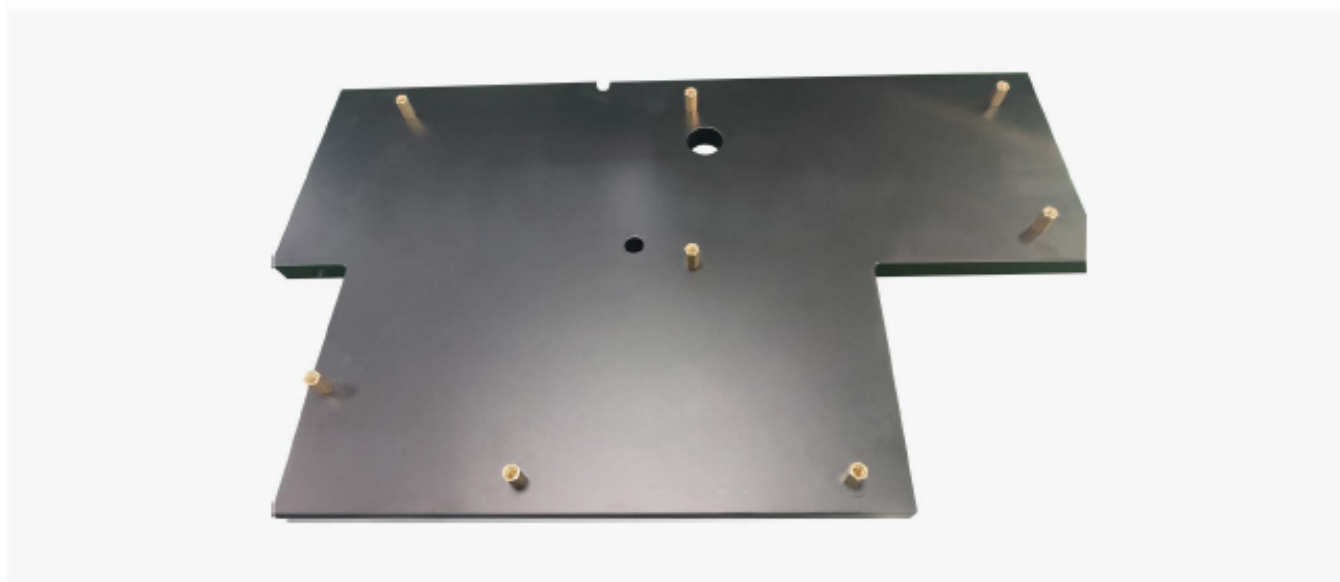
YR01862-1/ YR01862-2

Stabilization & Innovation

Full wavelength scanning (190-1100nm) covers ultraviolet, visible and near infrared regions.



- Fully sealed structure, all optical mirrors are equipped with SiO₂ protective film to avoid stray light caused by dust and corrosive gas.
- Imported core components greatly reduce the stray light and improve the stability and reliability;
- Scientific design combined optics, machines, electricity and microcomputer technology, improve the stability and bring the instrument up to a high standard.
- Suspension designed optical system, all optical parts are independently fixed on a 16mm thick aluminum deformation-free base, resistant to environmental interference (temperature, humidity and stress) and avoid the impact of bottom plate deformation and external vibration.



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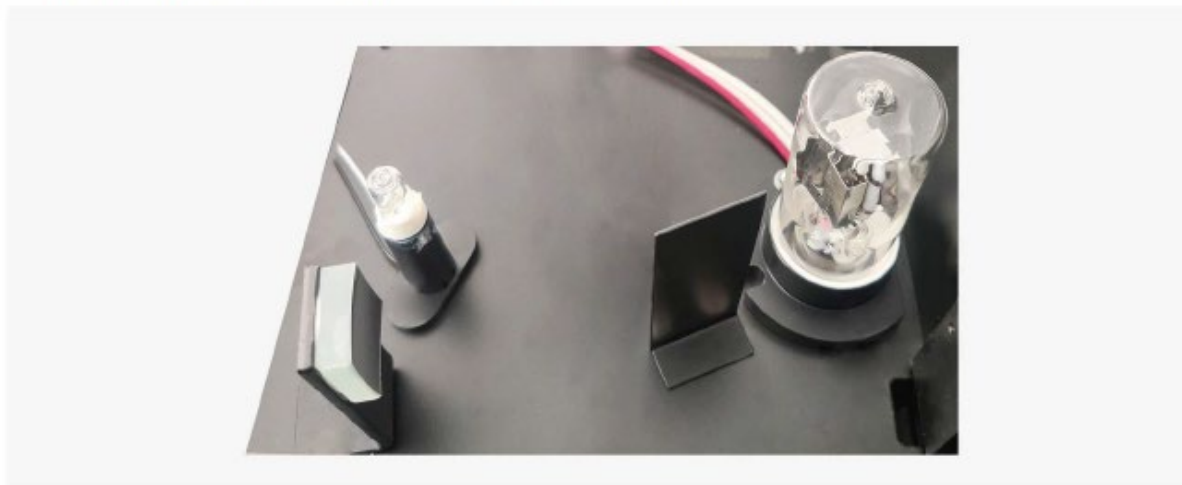
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Double Beam UV/VIS Spectrophotometer (Touch Screen)

YR01862-1/ YR01862-2

- Longlife socket type of lamps, easy to replace and adjust, lower maintenance cost.



- Unique optical design, automatically eliminating the error caused by light source and sample changes, make results more reliable;

- Spectrum bandwidth adjustable at 0.5/1.0/2.0/4.0/5.0nm (model number with S), especially suitable for samples with sharp absorption peaks, like penicillin sodium, penicillin potassium, etc.



When spectral bandwidth(SBW) and the natural bandwidth of tested sample (NBW, generally 20nm), $RBW \leq 1$, 99% sample analysis requirements can be met and the accuracy is more than 99%. According to CN pharmacopoeia, even the fixed bandwidth (1.8nm) can also fully comply with the test requirements.



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Double Beam UV/VIS Spectrophotometer (Touch Screen)

YR01862-1/ YR01862-2

- Various optional accessories, like automatic cell holder, thermostatic automatic sampler, adjustable micro cell holder, reflection accessory and integrating sphere, etc. which extend the application range of device and combine the requirements of common samples and special ones.



- Follow GLP/GMP standards, user management, logging, data tracking and exporting, etc. are all available.

Multi-functions

- Equipped with 10inch HD smart touchscreen, precise touch with no dead angle. The response time is less than 3ms, the screen brightness is adjustable, which has higher sensitivity and stronger stability.



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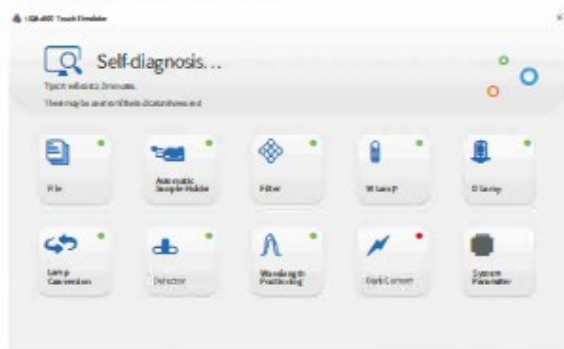
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Double Beam UV/VIS Spectrophotometer (Touch Screen)

YR01862-1/ YR01862-2

- Automatic self-inspection: all system parameters will be inspected when device turns on. If any error occurs, the system will automatically beep to alarm, and the status indicator of the option is displayed as red which is easy to analyze the exact problem.



- Lamp monitoring system: one-touch switching the tungsten lamp and deuterium lamp, real-time monitoring of lamps

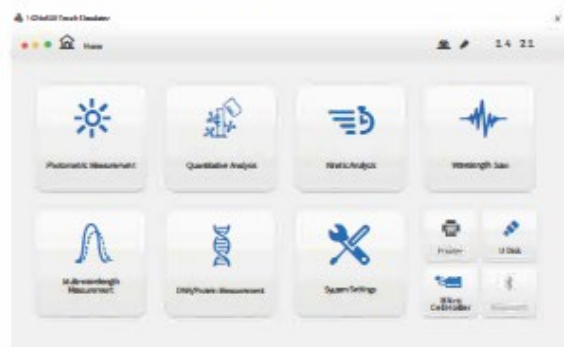


- Real-time record of the warm up time.

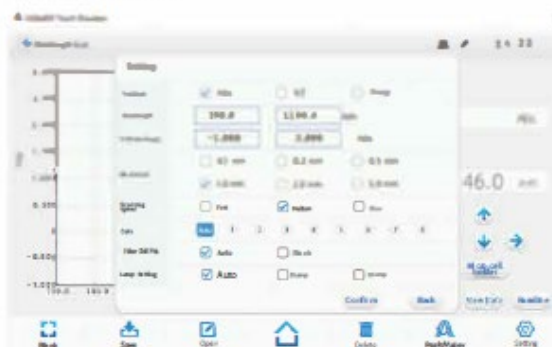


- Data retrieval and graph zooming are available.
- It supports data sharing, Excel & TXT data transfer and Windows clipboard.
- Easy to switch sample position by automatic cell holder.
- Common concentration units are available, like $\mu\text{g/L}$, mg/L , g/L , ppm and mol/L to meet most of needs.

- Multi-functions like photometric measurement, quantitative measurement, kinetics, spectral scanning, multi-wavelength analysis, DNA/Protein test, etc.



- Three levels of scanning speed can be selected, which suits for samples with different characteristics and obtains reliable scanning results.



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Double Beam UV/VIS Spectrophotometer (Touch Screen)

YR01862-1/ YR01862-2



PC Software

- PC software is optional, it follows GLP & GMP standards, user management, logging, data tracking, etc. are all available.

Functions

- Photometric measurement, three dimensional quantitative measurement, kinetics test and spectrum scanning, DNA/Protein test, multi-wavelength and multicurve measurement.

ID	Name	User Type	Password	Privilege	ID
1	admin	System Admin		ALL	101
2	test	System Admin		ALL	102



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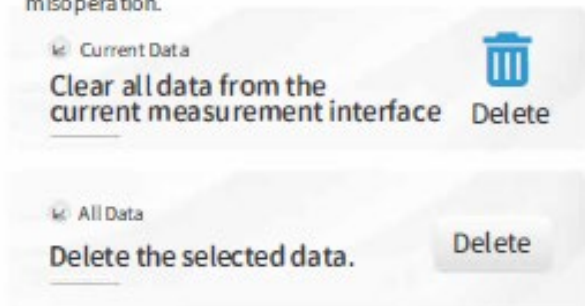
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- Secondary data deletion to avoid data loss caused by misoperation.



- Status of USB storage is able to check.



- Upgrade the system software by one-click.



- **Multi-channel for data transmission:**
spectral scan data can be stored in the host; data can be saved in the USB when USB connected, the file name is editable; Bluetooth function is available to realize network-free data transmission.
- It is able to connect the general printer (inkjet or laser) directly to output data in A4 paper.

Technical Specification

Model	YR01858	YR01862	YR01862-2	YR01862-1
Optical System	Single beam	Double beam	Double beam	Double beam
Light Source	Imported tungsten lamp & deuterium lamp			
Wavelength Range	190-1100 nm			
Bandwidth	1.8 nm		1.0 nm	0.5/1.0/2.0/4.0
Display	7-inch truecolor touch	10-inch HD smart touch screen		
Control Mode	Stand-alone system/PC software			
Data Output	Bluetooth and USB port			



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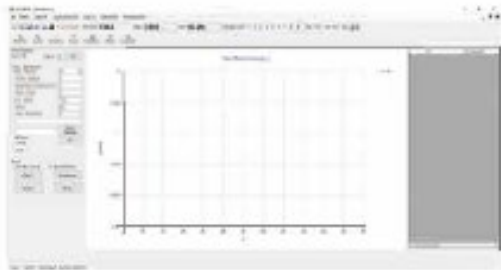
UV VISIBLE SPECTROPHOTOMETER



Photometric Measurement



Quantitative Measurement



Kinetics Test



Multi-wavelength Measurement



Spectrum Scanning



Setting



DNA, PROTEIN TEST



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Applications




 Bio-pharmaceutical Industry



 Cosmetics



 Manufacturing Industry



 Food



 Environmental Monitoring



 Petrochemical Industry

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- Online technical supports.
- Flexible OEM/ODM service.
- 12 months warranty.
- CE, ISO, ROHS certified.
- Response within 12 hours.



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2
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What is the importance of the laboratory refrigerator?

refrigerator is a device that is one of the most common pieces of equipment used in laboratories. It is a controlled environment (refrigerated space), various fluids and substances

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What is the importance of the laboratory refrigerator?

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