zafaro
THE FUTURE IS YOURS

About Us

Welso has been a trusted supplier of laboratory and medical instruments as well as consumables in China since its foundation. We mainly supply centrifuge, ultrasonic cleaners and other sample preparation instruments and laboratory consulables.

For years, Welso challenges ourselves to bring our customers products and services that optimize quality and value. We constantly monitor and improve our manufacturing process as well as minimizing cost from start to finish. We take great pride in the quality and consistency of our products which meet or exceed customer expectations.

THE PROFESSIONAL MANUFACTUR OF SCIENTIFIC INSTUMENTS

UV-Vis Spectrophotometer

T SERIES 2022 Version
UV Visible Spectrophotometer

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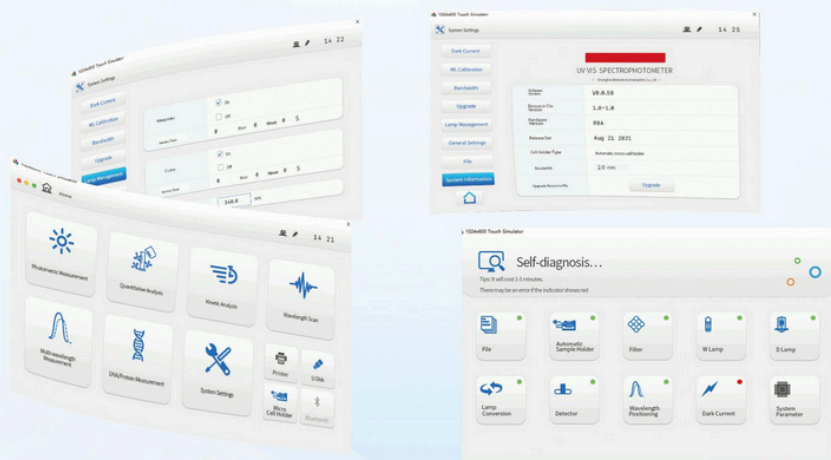- Fast Response

Distributed by :

PT. ZAFARO ELHA TRANSINDO

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a product of WELSO
www.welso.com

Fully New Experience

Create A New Era of Natural Interaction

- ⊕ Reliable data
- ⚲ Super sensitive touch
- ☀ Imported light sources
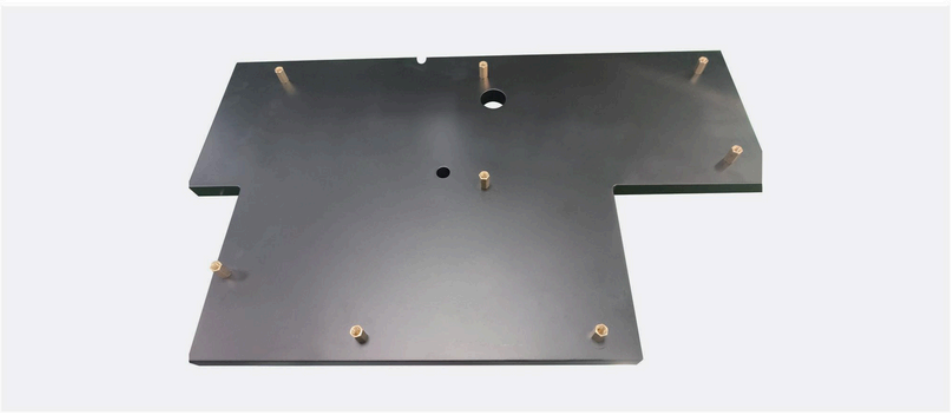- ⇄ Dual-mode operation
- 📶 Wireless data transmission
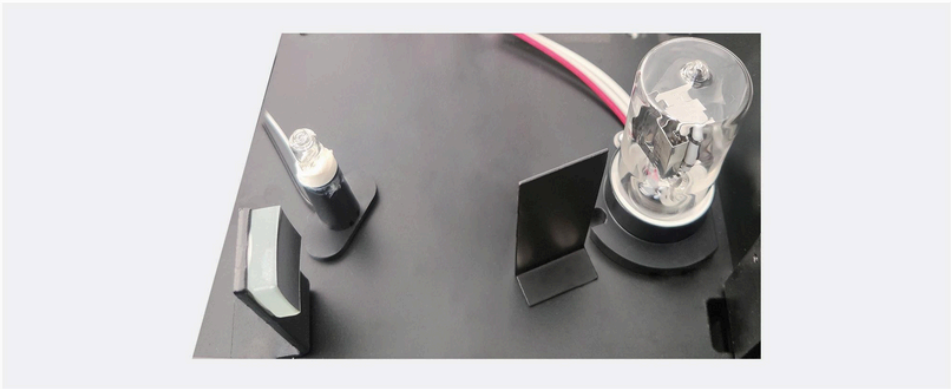- 🎚 Adjustable bandwidth

Stabilization & Innovation

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

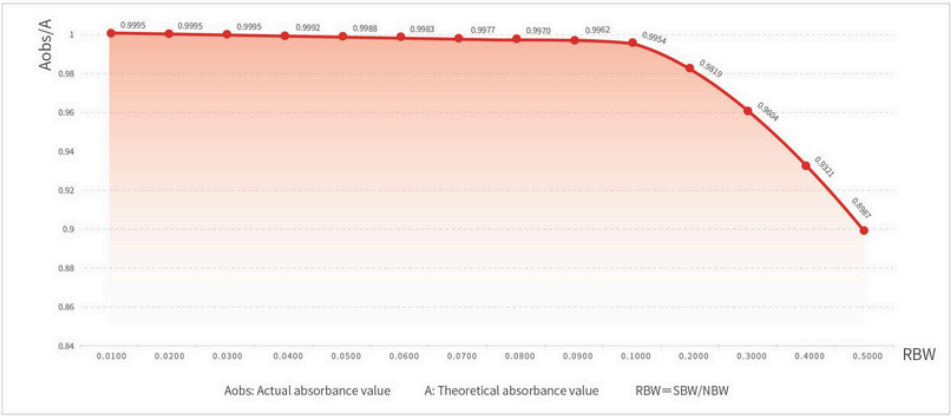| Vacuum Ultraviolet | Ultraviolet | Visible | Nearinfrared |

- 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.

- 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.

Aobs: Actual absorbance value   A: Theoretical absorbance value   RBW=SBW/NBW

When spectral bandwidth(SBW) and the natural bandwidth of tested sample (NBW, generally 20nm),RBW≦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.
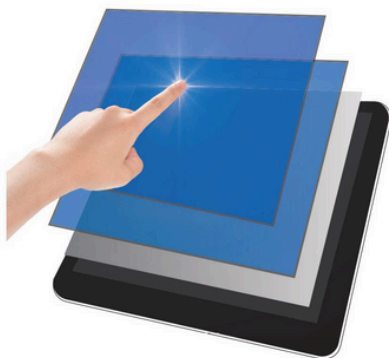
- Various optional accessories, like automatic cell holder, thermostatic automatic sampler, adjustable micro cell holder, reflection accessory and integrating sphere, etc. which extend the application range of device and combine the requirements of common samples and special ones.
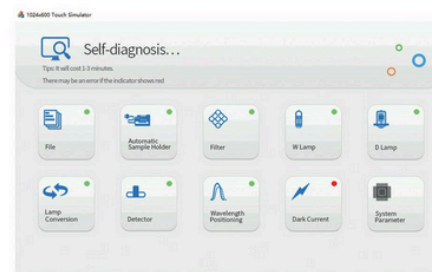

- Follow GLP/GMP standards, user management, logging, data tracking and exporting, etc.are all available.
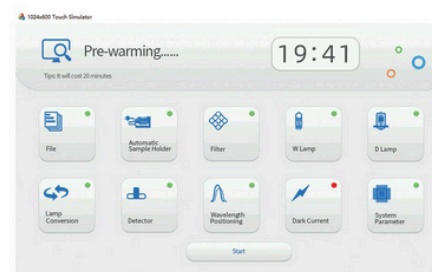
Multi-functions

- Equipped with 10 inch HD smart touch screen, 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.
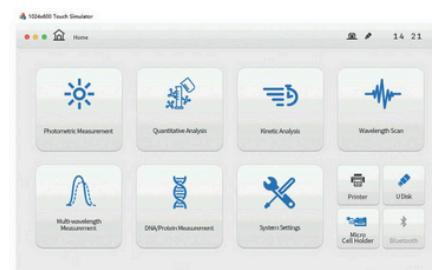

- Automatic self-inspection: all system parameters will be inspected when device turns on. If any error occurs, the system will automatically beep to alarm, and the status indicator of the option is displayed as red which is easy to analyze the exact problem.
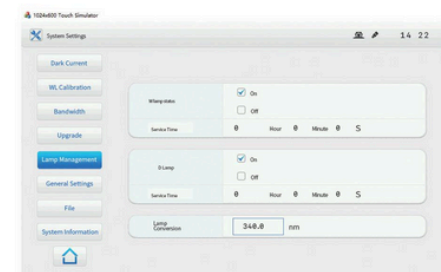

- Real-time record of the warm up time.

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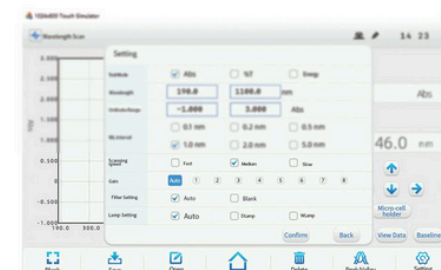

- Lamp monitoring system: one-touch switching the tungsten lamp and deuterium lamp, real-time monitoring of lamps
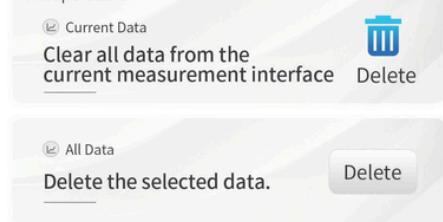

- Data retrieval and graph zooming are available.
- It supports data sharing, Excel &TXT data transfer and Windows clipboard.
- Easy to switch sample position by automatic cell holder.
- Common concentration units are available, like μg/L, mg/L, g/L, ppm and mol/L to meet most of needs.
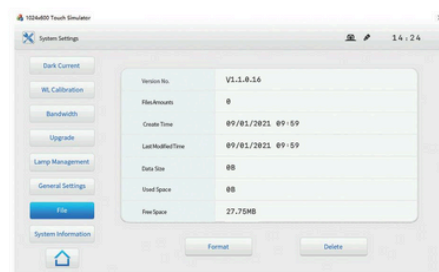
- Three levels of scanning speed can be selected, which suits for samples with different characteristics and obtains reliable scanning results.
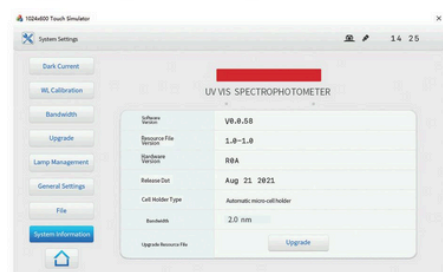
- Secondary data deletion to avoid data loss caused by misoperation.

- Upgrade the system software by one-click.

- Status of USB storage is able to check.

- **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.
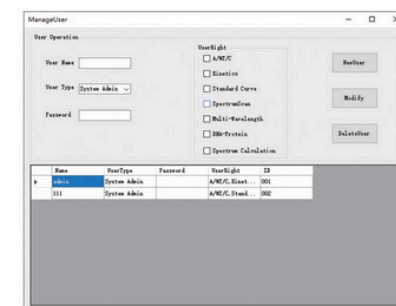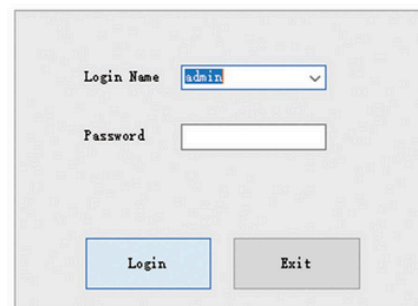
- It is able to connect the general printer (inkjet or laser) directly to output data in A4 paper.

PC Software

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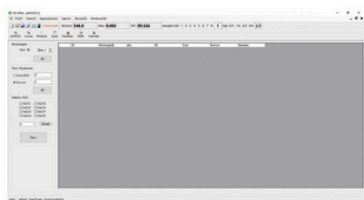
Functions

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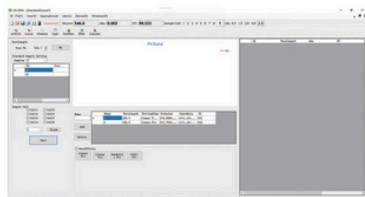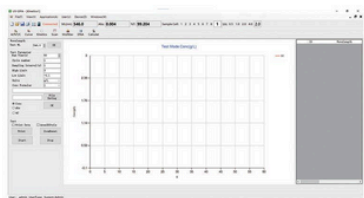

Techinical Specification

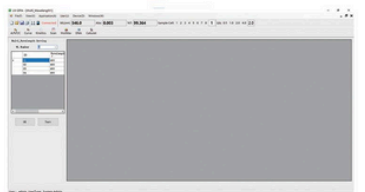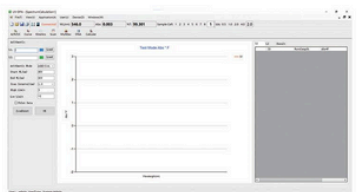| Model	WSUV350T	WSUV550T	WSUV350TA	WSUV550TS
Optical System	Single beam	Double beam	Double beam	Double beam
Light Source	Imported tungsten lamp & deuterium lamp			
Wavelength Range	190-1100 nm			
Bandwidth	1.8 nm		1.0 nm	0.5/1.0/2.0/4.0
Display	7-inch truecolor touch	10-inch HD smart touch screen		
Control Mode	Stand-alone system/PC software			
Data Output	Bluetooth and USB port			

Photometric Measurement
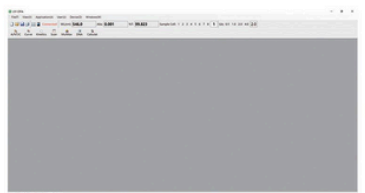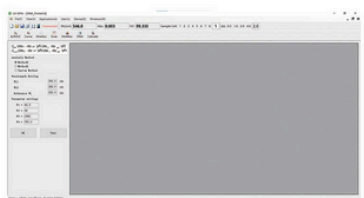
Quantitative Measurement

Kinetics Test

Multi-wavelength Measurement

Spectrum Scanning

Setting

DNA/PROTEIN TEST

Applications

Bio-pharmaceutical Industry

Cosmetics

Manufacturing Industry

Food

Environmental Monitoring

Petrochemical Industry

Services and Supports

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