Спектрофотометры с сенсорным экраном T-9100/9200 серии

High-quality optics, senior mechanical system, advanced control system circuit, rigorous production technology, friendly and intuitive software interface, technical conditions, stable performance reliable, can meet the high level and professional requirements of customers analysis

Main features

1. Work appearance and internal structure

Modern and graceful appearance, retractable design, optical and system layout of independent project structures can effectively avoid photometer loss.

2. Convenient intuitive operation interface

This series has 7 inch color touch screen capacity, new software development super2.0 uv-powerful, simple operation is convenient.

3. Excellent performance and stability

Fully enclosed monochromator and mirror coating with SiO2 guarantee the optical element from gas and environmental impact.

◇ philips and hamamatsu fire

New set of improvements ◇ screw drive structure allows wave duplication well, wavelength decapitation.

◇ Novel design, quality material and strict manufacturing process.

4. Advanced optical testing systems

◇ also want a lot of ARM11 monolithic 32- and 533MHz clock speed

20 ◇ bit analog equipment specifically for photovoltaic from the company BB data acquisition and processing.

◇ internal support for huge data storage (32M), mouse operation and large memory SD card.

5. Simple, convenient maintenance

◇ chuck type fire, so that the optical adjustment is not necessary and maintain more easily.

◇ separation of the optical and circuit system does not cross the influence, so that more reliable instrumentation.

User interface design

1. Work aas

Absorbing and aperture test.

Photometry

Data

1.032 Abs

Text

View

Wavelengh

156.43 nm

Sample Position

◀ **S1** ▶

⊕ Zero   💾 Save   📁 Flie   🗑 Delete   🖨 Print   ⚙ Set
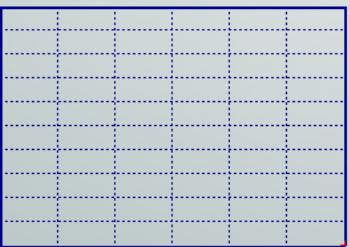
2. Quantitative test.

For testing sample solution concentration, you can select the coefficient, standards curve, linear degrees, linear zero-crossing of the second type and such methods. Service personnel can choose leisure, double wave, wave and three change double wave and three wave ratio. Advanced algorithm to make the regression curve more accurate, test data more accurate.

Quantitation

Test List

Data

156.03 ug/ul

Wavelengh

180 nm

Sample Position

◀ **S1** ▶

Text   **View**

1.00

Conc.(ug/ul)

0

0   3.000

Conc=-1.#IOxAbs-1.#IO
K= -1.#IO
B= -1.#IO
r= -1.#IND

⊕ Zero   💾 Save   📁 Flie   🗑 Delete   🖨 Print   🗠 Curve

3. Dynamics (scan time measurements)
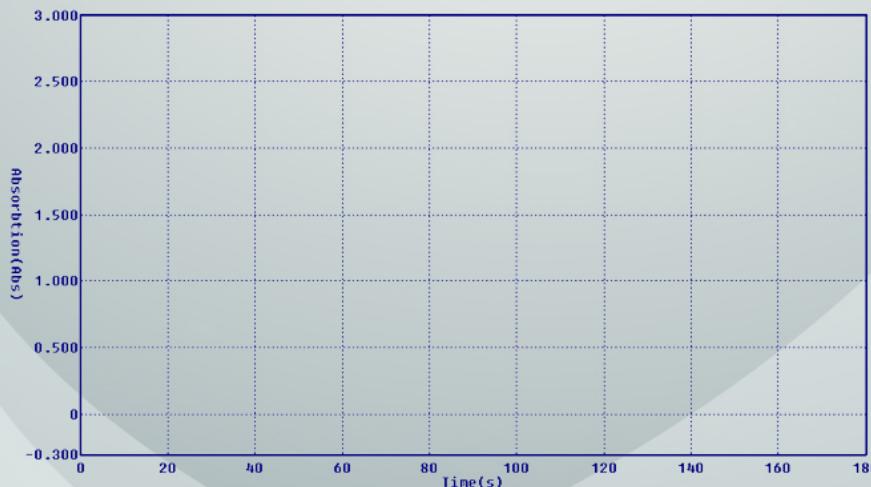
For fastening scanning sample wave solution, chemical reaction of samples testing process. The device in the corresponding input parameters after they calculate the variation.

Kinetics

Deat
156.03 Abs

Wavelengh
180 nm

Sample Position
◄ **S1** ►

Text View

Zero Save Flie Delete Print Set

4. Wavelength scanning (qualitative test)
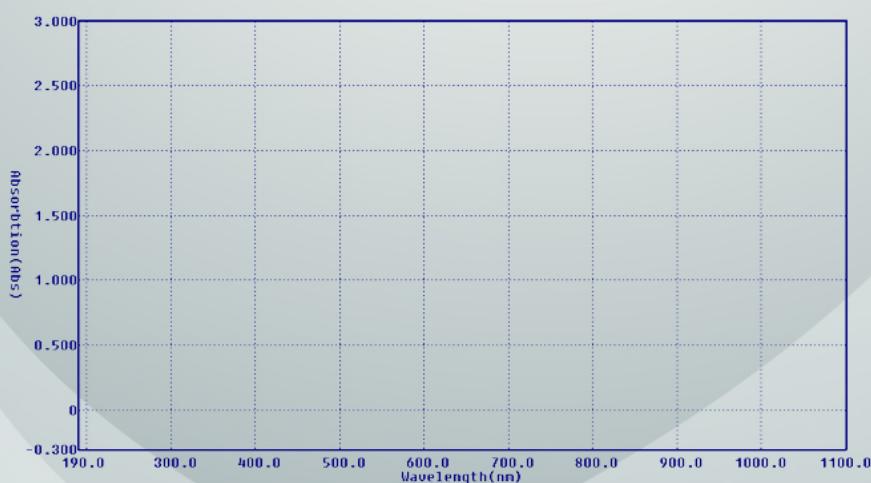
To test samples solution peak absorption, scans any wavelength range samples characteristic 190-1100nm. Graph and coverage and arithmetic.

Wavelength Scan

Data
156.03 Abs

Wavelengh
180 nm

Sample Position
◄ **S1** ►

Text View Baseline

Zero Save Flie Delete Crest Set

5. More Wave Tests

For users to test or absorb the same sample solution, multiple wave algorithms are much simpler than single wave tests are much simpler.

Multi Wavelength

Text List

NO. Options	190	210	300	500	700	800	900	1000	1100 (nm)
01	0.210	0.410	0.210	0.210	0.280	0.910	0.210	0.210	0.210
02	0.210	0.410	0.210	0.210	0.280	0.910	0.210	0.210	0.210
03	0.210	0.410	0.210	0.210	0.280	0.910	0.210	0.210	0.210 ☒

Date

0.863 Abs

Wavelengh

210 nm

Sample Position

◄ **S1** ►

Text

◎ Zero   💾 Save   🗀 Flie   🗑 Delete   🖨 Print   ⚙ Set

6. DNA/protein measurement

For a specific user, for example, this is a special function to make the operation easier.

Protein/DNA Test

Analysis Result

No.	260.0	280.0	320.0	Ratio	DNA	Protein

Working Mode

Abs

Wavelength

546.0 nm

Test

◎ Zero   💾 Save   🗀 File   🗑 Delete   🖨 Print   ⚙ Set

Standard:

Model	T-9100	T-9200	T- 9200S	T-9200A
display	7 inch TFT colored capacitive touch screen			
Wavelength Range	190 - 1100nm			
Optical System	single beam	double beam		
Spectral Bandwidth	2nm	2nm	1nm	0.5,1,2,4,5nm _
Wavelength Accuracy	±0.5nm	±0.5nm	± 0.3nm	±0.3nm
Wavelength Repeatability	≤0.2nm	≤0.2nm	≤0.1nm	≤0.1nm
Photometric Accuracy	0.2%T(0-100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)			
Photometric Repeatability	≤0.15%T(0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)			
Scanning Speed	High, Medium and Low			
Stray Light	≤0.05%T@220nm,360nm			
Baseline flatness	±0.003A	±0.002A	±0.001A	±0.001A

Drift	0.003A/30min@500nm	0.002A/30min@500nm	0.001A/30min@500nm	0.001A/30min@500nm
noise	0.0005A@500nm			
working mode	T,A,C,E			
Wavelength Setting	Automatic			
Detector	Solid Silicon Photodiode			
Light Source e	Tungsten Halogen/Deuterium Lamp			
output port	USB HOST, USB DRIVE, RS232, SD Card			
Power Requirements	AC 110-220V 50-60Hz			
Humidity Range	Less Than 85%			
Shipping Dimensions and Weight	770*630*340mm, 27kg			