

# STALWART

## UV-VIS Spectrophotometer STA-5200



## Features

### Long Light Path Design

STA-5200 is a unique 520mm long flight path design greatly improved resolution and the bandwidth can reach 0.5nm.

### 16mm optical base

STA-5200 uses a rigid 16mm die-cast aluminum base as its optical mount to ensure instrument stability and reliability.

### 6 inches LCD display

STA-5200 has a 6 inches LCD display to show results and curves directly on the screen.

### Powerful software functions

Multi functions like spectrum scanning, standard curve, kinetics, multi wavelength scanning; DNA/Protein can be operated directly on the PC.

### Multi functions on spectrophotometer

Multi functions operated directly on the spectrophotometer and display the test results' Curve and data: Wavelength Scanning, Standard curve, DNA/Protein test.

### Perfect Calibration system

All baseline, wavelength, dark current can be calibrated automatically to keep good running conditions.

### Data output

STA-5200 is equipped with USB port to connect with a PC, and the software comes standard with the instruments.

## Specification

Item	STA-5200
Wavelength Range	190-1100nm
Bandwidth	1.0nm
Wavelength Accuracy	± 0.3nm
Wavelength Repeatability	0.2nm
Photometric Accuracy	± 0.3%T
Photometric Repeatability	0.2%T
Photometric Range	-0.3-3A,0-200%T,0-9999C
Stability	± 0.002A/h @ 500nm
Baseline Flatness	± 0.001A
Noise	± 0.001A
Stray Light	≤ 0.05%T @ 220nm, 360nm
Data Output Port	USB
Printer Port	Parallel Port
Display	320*240 Dots LCD
Lamps	D2 Lamp & W Lamp
Detector	Silicon Photodiode
Power Requirements	AC 220V/50Hz
Dimension	625*430*206mm
Weight	28kg

## Standard Accessories

Sr#	Description	Quantity	Unit
1	1 cm Glass cuvette	4	Pcs
2	Power cord	1	Pcs
3	User's Manual	1	Pcs
4	1 cm quartz cuvette	2	Pcs
5	Dust cover	1	Pcs

## Spare Accessories

Item	Model No	Description	Unit
<b>Cell Holder</b>	100101	10mm single cell holder	Pcs
	100102	10mm 4-hole cell holder	Pcs
	100103	50mm 4-hole cell holder	Pcs
	100104	100mm 4-hole cell holder	Pcs
	100105	10mm 8-hole auto cell holder	Pcs
	100106	10mm single hole water jacketed	Pcs
		ambiknt cell holder	
	100107	Adjustable cell holder for micro cuvettes	Pcs
	100108	Fixed Transparent film holder	Pcs
	100109	Test tube holder	Pcs
<b>Control Units</b>	200101	Peltier System	Pcs
	200102	Sipper system	Pcs
	200103	Peltier/sipper system	Pcs
	200104	Micro thermo printer	Pcs
<b>Lamps</b>	300101	W lamp 12V, 20W (Phillips)	Pcs
	300102	D2 lamp A510YXU (Millas)	Pcs



W lamp 12V, 20W  
(Phillips)



10mm 4-hole cell holder



Test tube holder



Micro thermo printer



Adjustable cell holder for  
micro cuvettes



Fixed Transparent  
film holder



10mm 8-hole auto  
cell holder



10mm single hole water  
jacketed ambient cell  
holder



D2 lamp A510YXU  
(Millas)



Peltier/sipper system