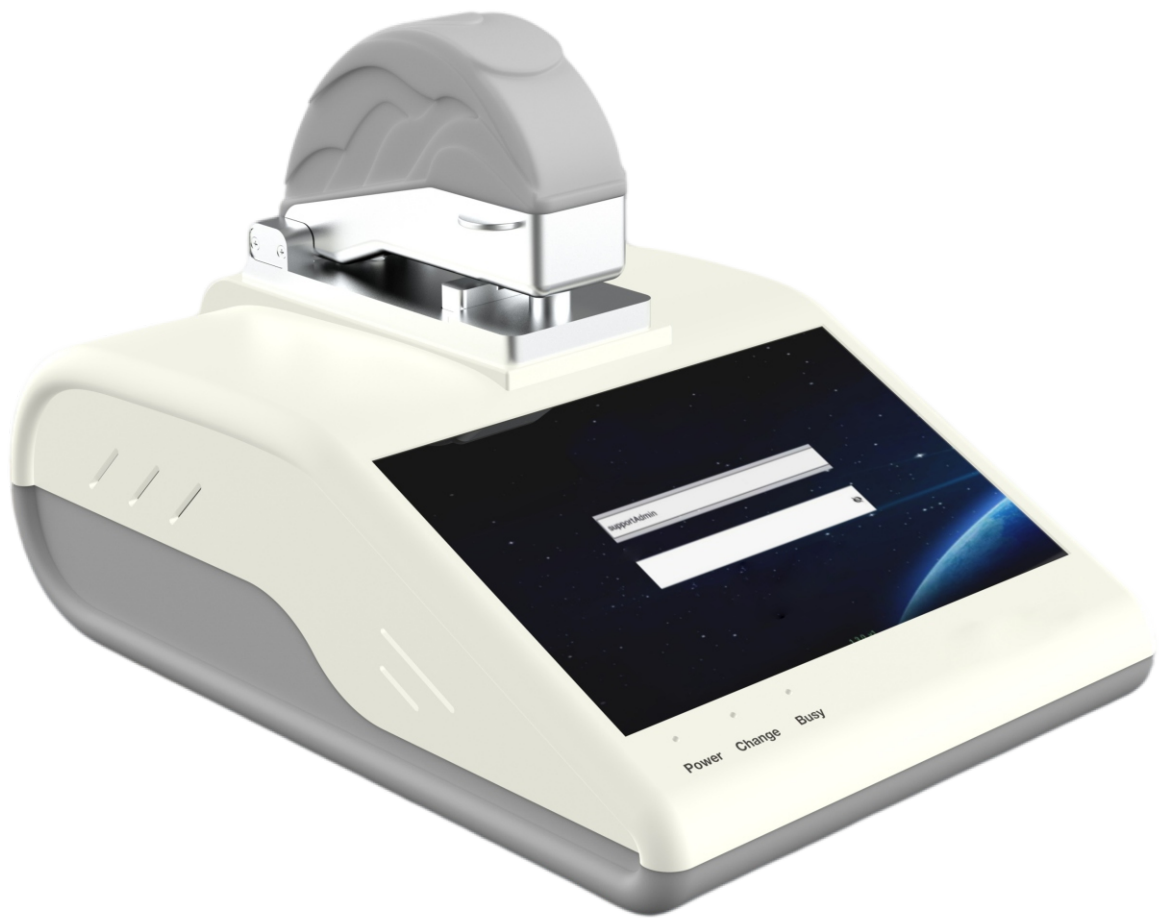


STALWART

Nanodrop UV-Vis Spectrophotometer STA-210 Series



Discription

STA-210N is a full wavelength (190-1000nm) UV-Vis spectrophotometer, which is self-designed by Stalwart. it's a successful spectrophotometer can fast measure nucleic acids, protein and cell solution. Meanwhile, its easy-to-use, sample volume requires only 0.5 ~ 2 μ l, it's not required preheating and it can fast clear out residue sample, no cuvette or other sample positioning fixture, no dilution etc.

Model	Description
STA-210N	General purpose, pulsed xenon light source, full spectrum
STA-210L	High precision, long life LED light source, OD600 cuvette

Features

- Nucleic acids, Proteins, Full band absorbance ;
- Sample volume per time: 0.5-2 μ l;
- Fast Measure: <3s;
- Broad Spectral Range:190-1000nm;
- Long life span source up to 10 years;
- Embedded high performance micro spectrometer;
- High stability constant light source;
- 7 inch HD capacitive touch screen;
- Full touch screen operation;
- Advanced algorithm;
- Self-built modeling function by user;
- USB ,Bluetooth and WIFI data output;

Specification

Model	STA-210N	STA-210L
Sample Size	0.5 ~ 2.0 μ L	
Measurement Cycle	< 5s	
Path Length	1.0 mm (0.5,0.25 and 0.05mm is optional)	
Wavelength Range	190 ~1000 nm	260nm , 280nm
Light Source	Xenon flash lamp	Long life narrow line width LED light source
Detector Type	2048 pixel linear CCD array	Ultraviolet silicon photocell
Wavelength Accuracy	1 nm	1 nm
Wavelength Resolution	\leq 2 nm (FWHM at Hg 546nm)	NA
Absorbance Precision	0.003 Abs(1mm)	
Absorbance Accuracy	1% (0.76 at 257 nm)	
Detection Limit	2 ng/ μ L (dsDNA) Path Length=2mm	2 ng/ μ L (dsDNA) Path Length=2mm
Max Concentration	15,000 ng/ μ L (dsDNA) Path Length=0.5 mm	15,000 ng/ μ L (dsDNA) Path Length=0.5 mm
Absorbance Range	0.04 ~ 300 (10mm)	0.2 - 50A

Specification

DNA range	2 ~ 4500ng/ul (dsDNA) 2 ~ 15000ng/μL (Optional)	10-2500ng/μL
Surface Construction	304 stainless steel and quartz fiber	
Operation System	Android OS	
Panel Type	Multi-touch capacitive touch screen	
Panel Size	7 inches	
Panel Resolution	800 × 1080	
Endurance Time	6 hrs	
Li-ion Battery	60 Wh	
Operating Voltage	12V DC	
Power Consumption	9 W	7.5 W
Standby Power	1.5 W	1.5 W
Data interface	USB , Bluetooth , WIFI	
Dimensions	286 × 196 × 177 mm	
Weight	3.2 Kg	2.8 Kg

Application

- Scientific Research Lab;
- Hospital;
- Bio Lab;
- Chemical Lab;
- Environment Measure;