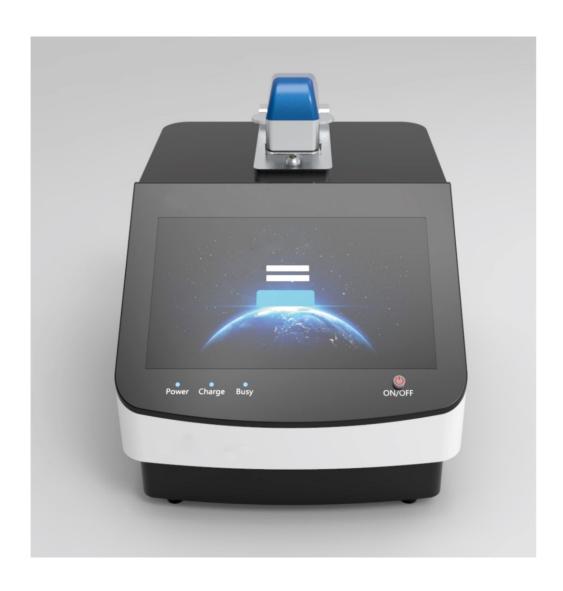
STALWART

Nano Drop UV-VIS-Spectrophotometer STA-200N



Introduction

Nano Drop Spectrophotometer STA-200 is a full wavelength (190-1000nm) ultra micro volume UV-Vis spectrophotometer. It can fast measure nucleic acids, protein and cell solution. Meanwhile, its easy-to-use, sample volume requires only $0.5 \sim 2~\mu$ l, it's not required preheating and it can fast clear out residue sample, no cuvee or other sample positioning fixture, no dilution etc. STA-200N Ultra micro volume spectrophotometer, easy-to-use, pipette directly onto the sample measure detect head, close it to start measure. It can directly wipe out residue sample or recycle after completing measure. STA-200N has been common instrument of many labs. STA-200N ultra-micro volume spectrophotometer is mainly used to measure nucleic acids, protein. It uses high energy pulsed xenon light source give spectral measure of 230nm, 260nm, 280nm.STA-200N operate on Android software with 7 inch capacitive touch screen, it's not require to connect to PC but operate individually, and it can output by USB, and it's convenient to make analysis and storage by users.

Features

- Nucleic acids, Proteins, Cell Solution
- · Long life span source up to 10 years
- Sample volume per me: 0.5-2 μl
- Embedded high performance micro spectrometer
- Fast Measure <3s
- · High stability pulsed xenon light source
- Broad Spectral Range 190-1000nm
- Advanced algorithm
- Full Touch Screen Operate, Easy-to-Use
- Self-built modeling function by user
- 7"HD capacitive touch screen
- USB data output

Specification

Item	STA-200N
Sample Volume	0.5 - 2.0μL
Measurement Cycle	~ 3 seconds
Optical Path Length	1.0 mm
Wavelength Range	190 ~1000 nm
Light Source	Xenon flash lamp
Detector Type	2048 pixel linear CCD array
Wavelength Accuracy	1 nm
Wavelength Resolution	≤ 2 nm (FWHM at Hg 546 nm)
Absorbance Precision	0.003 Abs
Absorbance Accuracy	1% (7.332 Abs at 260 nm)

Specification

Item	STA-200N
Minimum Detection Limit	2 ng/μL (dsDNA)
Max Concentration	15,000 ng/µL (dsDNA)
Absorbance Range	0.04 ~ 300 (10 mm)
DNA Range	2 ~ 4500ng/ul (dsDNA)
Surface Construction	303 stainless steel and quartz fiber
Operation System	Android OS
Screen Type	7" Capacity Touch Panel
Screen Resolution	1920 X 1080
Built-in Li-battery span	6 hrs
Li-ion Battery Capacitor	55 Wh
Operating Voltage	12V DC
Power Consumption	9 W
Standby Power	3 W
Dimensions	290 X 210 X 220 mm
Weight	3.6kg