

# 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 ~ 2  $\mu$ l, it's not required preheating and it can fast clear out residue sample, no cuvette 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  $\mu$ l
- 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 - 2.0 $\mu$ L
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	$\leq$ 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