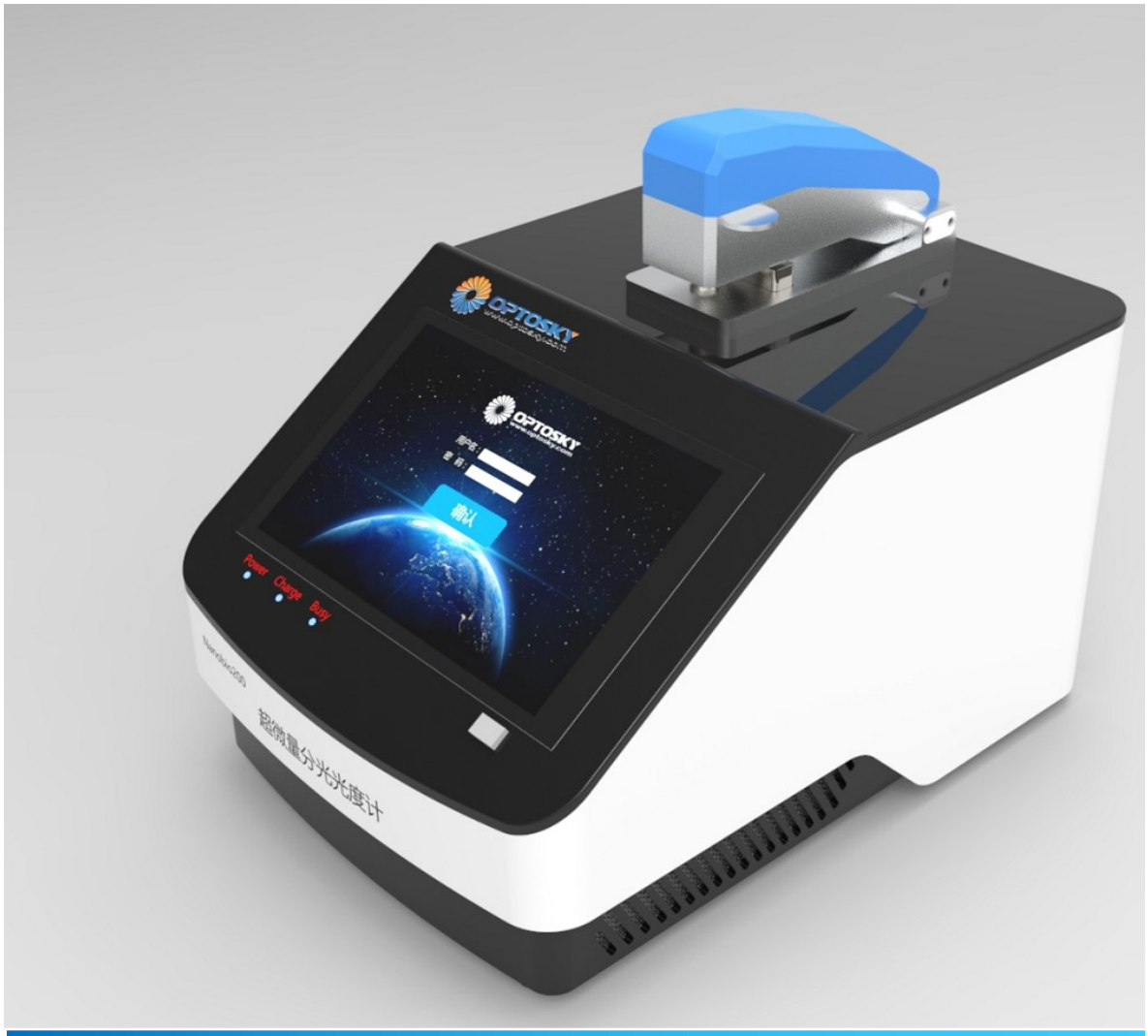


NanoBio 200

Ultra-Microvolume UV-Vis Spectrophotometer

Datasheet

Ultra-Microvolume UV-Vis Spectrophotometer NanoBio 200

Description:

NanoBio 200 is a full wavelength (190-1000nm) ultra microvolume UV-Vis spectrophotometer, which is self-designed by Optosky. It bases on 20-year experience in developing spectrometer plus Hamamatscu pulsed xenon lamp, 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 μl, it's not required preheating and it can fast clear out residue sample, no cuvette or other sample positioning fixture, no dilution etc.

NanoBio 200 Ultra microvolume 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. NanoBio 200 has been common instrument of many labs.

NanoBio 200 ultra-microvolume spectrophotometer is mainly used to measure nucleic acids, protein. It uses high energy pulsed xenon light source give spectral measure of 230nm, 260nm, 280nm.

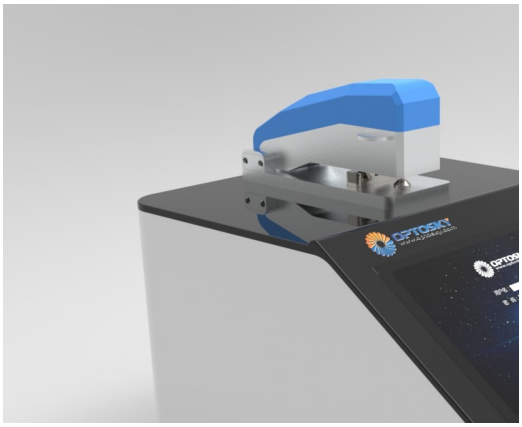
NanoBio 200 operate on Android software with 7 inch capacitive touch screen, it's not require to connect to PC but operate individually, and it can output by USB, and it's convenient to make analysis and storage by users.

Features:

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

Application

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



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Website: www.optosky.com

1. Performance

Parameters	Specifications	Notes
Sample Volume	0.5 - 2.0 μL	
Measurement Cycle	~ 3 seconds	
Optic Path Length	1.0 mm	0.5, 0.25 and 0.05mm is optional
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)	
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	Capacity Touch Panel	
Screen Size	7”	
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	

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