

# NanoBio-3200i

Ultra-Microvolume UV-Vis Spectrophotometer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Description:

NanoBio 3200i is a full wavelength (190-1000nm) ultra microvolume UV-Vis spectrophotometer. It's a successful spectrophotometer that 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. NanoBio 3200i 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 3200i has been common instrument of many labs. NanoBio 3200i 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 3200i 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  $\mu$ l
- 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

## ►► Performance:

Parameters	Specifications
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	3.6 kg

## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



UV/VIS  
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Double Beam



Infra FTIR



Optima Gas  
Chromatograph  
3007



Optima Gas  
Chromatograph  
2979 Plus



Flash  
Chromatograph



Atomic Absorption  
Spectrophotometer



Liquid Particle  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



HEMA 2062  
Hematology  
Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system



## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



**Analytical**  
**Foundation**

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



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