

Micro - 3100

Micro Volume Spectrophotometer



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Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Product Introduction

Micro-Volume Spectrophotometer accelerates your research efficiency. It can complete the measurement of a sample concentration speedily in 3 seconds. Micro 3100 provides dynamic full-spectrum 190-1000 nm detection, while the sample window is equipped with Nano hydrophobic coating, ensuring highly accurate results.

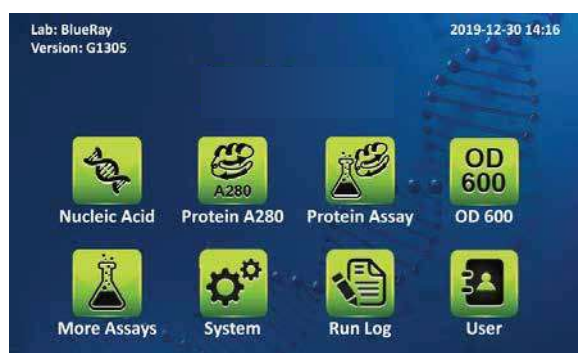
Coming with an intuitive operation screen, Micro 3100 makes each step fast and simple, helping you complete the measurement effortlessly.

►► Unparalleled Performance



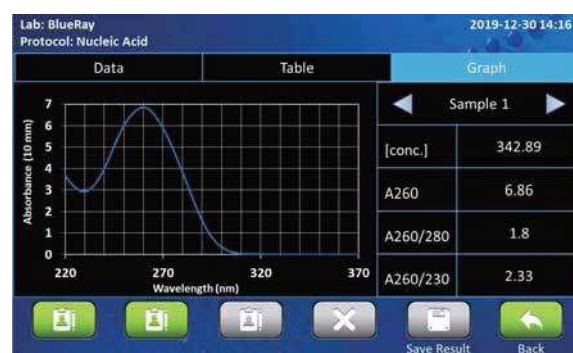
Fast measurement in 3 seconds. The CV value of absorbance is < 1%.

►► Comprehensive Operation Experience



Intuitive Graphic Interface

- The built-in intuitive graphic interface is easy to use, and can be operated without extra computing equipment, saving space in the laboratory



Nucleic Acid Quantitation

- Multiple built-in functions allow you to measure nucleic acids, proteins, cells and other samples with the touch of a button
- The automated measuring function raises the speed and convenience of operation



LED Assist Light

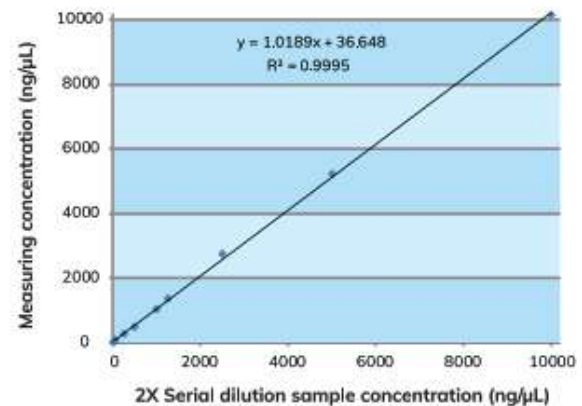
- The thoughtfully -designed assist light makes up for the lack of ambient light, and minimizes sample placement errors

►► Quality Guaranteed



Sample window system with
Nano Hydrophobic Coating

- A layer of Nano hydrophobic coating on the sample window ensures the formation of sample column
- The replaceable sample window system greatly reduces the possibility of residual contamination
- The CV value of absorbance is 1%



- The cushion design on the detection arm reduces impact, which in turn reduces error in experiments

►► Specifications

Optics Information

Sample Volume	1 μ minimum volume
Sample Number	1
Path length	0.5 mm / 0.05 mm
Light Sours	Pulsed Xenon flash lamp
Detector Type	2048 element CMOS
Wave length Range	190 – 1000 nm
Bandwidth	1.3 nm
Wavelength Accuracy	1.0 nm
Spectral Resolution	1.5 nm (FWHM at Hg 253.7 nm)
Absorbance Precision (raw)	0.0015 A (0.5 mm)
Absorbance Precision	0.03 A (1 cm equivalent)
Absorbance Accuracy	3.0% at 0.75 at 300 nm
Absorbance Range (1 cm equivalent)	0 (0.04) – 400 A
Detection Range	dsDNA :2 – 20000 ng/ μ L
	BSA: 0.06 – 600 ng/ μ L
Sample Surface material of Construction (Lower and Upper)	Stainless steel and quartz window with hydrophobic treatment
Measurement Time	< 3 sec

Software

Operating System	Custom Linux based OS
Registered User Folder Number	> 500 sets
User Folder Password Protection	Yes

General

Display	7" color LCD with capacitive touch panel
Data Port	1 USB Type-A Front port for USB flash drive
Footprint Dimension (W x H x D)	206 x 333 x 166 mm
Weight	3.5 kg (7.8 lb)
Glove Compatibility	All common lab gloves
Internal Storage	32 GB flash memory
Power Adapter	Input: AC 100 – 240 V, 50/60 Hz, Output: DC 24 V, 2.08 A
Certification	CE, RoHS

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



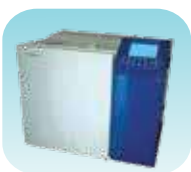
UV/VIS
Spectro 2080+
Double Beam



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



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PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



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



Analytical
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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.



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