

SF - 3311

Microvolume UV/VIS (Nano)
Spectrophotometer



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

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► Description

The sample does not need to be diluted, and the concentration range of the measurable sample is more than 100 times that of a conventional ultraviolet-visible photometer.

The service life of the xenon flash lamp can reach 1 billion times (up to 10 years). It can be used directly without preheating and can be tested at any time. No other consumables are required.

Easy-to-use data printing function, print reports directly through the built-in printer. It has an extremely fast detection speed and can be detected at any time. The measurement of each sample is completed in a short period of time.

The closing of the detection arm can be detected automatically. Detection wavelength range: 190-850nm

7-inch high-definition capacitive touch screen, no need for computer connection, and it can be detected by a single machine

Only 0.5—2 μ L sample is required for base measurement, and dilution is not required even for high concentration samples.

It has an OD600 optical path detection system and a cuvette mode, which is convenient for the detection of the concentration of bacteria, microorganisms and other culture solutions.



Loading



Detect



Detect

►► Specifications

Model		SF 3311	SF 3311F
Wavelength range		190-850nm	190-850nm
Sample capacity		0.5-2μl	0.5-2μl
Optical distance		0.05mm×.2mm、1.0mm(automatic switchover)	0.05mm×0.2mm、1.0mm(automatic switchover)
Light source/life		Xenon lamp/10 ⁹ times	Xenon lamp/10 ⁹ times
Detector		2048 element linear CCD array	2048 element linear CCD array
Spectral bandwidth		2nm	2nm
Absorbed light accuracy		0.003Abs	0.003Abs
Absorbance accuracy		±1% (7.332Abs at 260nm)	±1% (7.332Abs at 260nm)
Absorbance range		(Equivalent to 10mm) 0.04-300A	(Equivalent to 10mm) 0.04-300A
Nucleic acid concentration range		2ng/μL dsDNA~ 15000ng/μLdsDNA ≤5 s	2ng/μL dsDNA~ 15000ng/μLdsDNA ≤5 s
Detection time			
OD600	Absorbance range	0~4.000 Abs	0~4.000 Abs
	Absorbance stability	[0,3]≤0.5%, [3,4]≤1%	[0,3]≤0.5%, [3,4]≤1%
	Absorbance repeatability	[0,3]≤0.5%, [3,4]≤1%	[0,3]≤0.5%, [3,4]≤1%
	Absorbance	[0,3] < 0.005A+1%; [3, 4] ≤2% /	
Fluorescence detection		Excitation wavelength: 460nm Emission wavelength:	
Fluorescence detection	Linearity	/	R2>0.995
	Repeatability	/	<1.5%
	Stability	/	<1.5%
Print		Built-in thermal printer	Built-in thermal printer
Data output mode		USB	USB
Material of sample base		Quartz optical fiber and high hard aluminum	Quartz optical fiber and high hard aluminum
Input voltage		VAC 100-240V ; VDC 24V 2A	VAC 100-240V; VDC 24V 2A
Power		<15W (Standby: 5W)	<15W (Standby: 5W)
Dimensions(W*D*H)		208*290*180mm	208*290*180mm
Weight		3.2 kg	3.2 kg

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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.

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3007



Optima Gas
Chromatograph
2979 Plus



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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



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system

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 **Analytical**[®]
Technologies Limited

HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net

W. www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com

Sales & Support Offices:
across the country :
Distributors & Channel
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