

SRM-3324

Advanced Broadband Spectrometer



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Advanced Broadband Spectrometer, covering a wavelength range of 200-2500nm with PC software, offers an exceptionally broad wavelength range, making it suitable for applications in physics, optoelectronics, materials science, biology, and other fields. The Wide-Band Spectrometer combines multiple spectrometers covering different spectral ranges to achieve an ultra-wide bandwidth while maintaining high spectral resolution. It features high cost performance, rapid and accurate measurements, user-friendly operation, and portability.

Equipped with a powerful software package, it not only measures spectral signals but also supports measurements of reflectance, transmittance, radiometry, photometry, and colorimetry.

Features:

- Multi-spectrometer array design
- Wide band + high resolution
- 200 to 2500nm range
- High quantum efficiency
- Anti-diffraction coating
- High-quantum-efficiency
- 40% higher NIR sensitivity
- Dark current correction
- Portable with case
- DC12V power
- Fiber/free-space input
- External trigger support
- USB2.0 output
- PC software control

Technical Specifications:

		SRM-3324(A)	SRM-3324(B)
Detector	Type	Back-Illuminated Area CCD, Si/InGaAs Detector	
	Effective Pixels	200 to 1000nm: 2048 pixels	
		1000 to 1700nm: InGaAs 512 pixels (2-stage TEC cooled)	
		1000 to 2500nm: InGaAs 512 pixels (2-stage TEC cooled)	
Optical Specifications	Wavelength Range	200 to 1700nm	200 to 2500nm
	Optical Resolution	0.9 to 1.3nm@756nm 3 to 5nm@1400nm	0.9 to 1.3nm@756nm 7 to 12nm@1400&2100nm
	Wavelength Repeatability	200 to 1000nm : ± 0.1nm 1000 to 1700nm : ± 0.5nm	200 to 1000nm : ± 0.1nm 1000 to 2500nm : ± 3nm

	Wavelength Repeatability	200 to 1000nm : ± 0.1nm 1000 to 1700nm : ± 1.1nm	200 to 1000nm : ± 0.1nm 1000 to 2500nm : ± 5 nm
	SNR	200 to 1000nm : >800: 1 1000 to 1700nm&1000 to 2500nm : >2000:1	
	Dynamic Range	200 to 1000nm : >10000: 1 1000 to 1700nm&1000 to 2500nm : >15000:1	
	Entrance Slit Width	5/10/25/50/100/150/200 µm selectable, other sizes customizable	
	Light Input Interface	SMA905 fiber optic interface	
	Spectral Sampling, Interval	200 to 1000nm : 0.4nm 1000 to 1700nm : 1.5nm	200 to 1000nm : 0.4nm 1000 to 1700nm : 2.0nm
Electrical Parameters	Integration Time	10 ms to 10s	
	Spectrum Averaging, Counts	Up to 100,000 times	
	Data Output Interface	USB2.0	
	ADC Bit Depth	16bit	
	Power Supply	External 12V DC power supply	
	Operating Current	2.5A	3.5A
Physical Specifications	Operating Temperature	13°F to 122°F	
	Operating Humidity	< 90% RH (non-condensing)	
	Dimensions	330×250×155 mm ³	
	Weight	262.7oz (7.45 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



LCMS



Maldi TOF



Optima Gas Chromatograph



Flash Chromatograph



DAC Column



GCMS 3068



UHPLC



HPTLC



Ion Chromatograph



Production HPLC



HPLC



Column



DLS



Water purification system

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

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Analytical Foundation

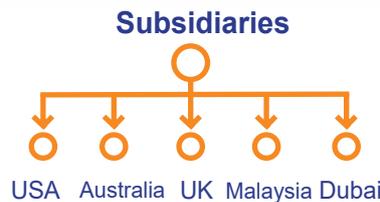
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