

# FS - 3000Series

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## Fluorescence Spectrophotometer



**FS-3096**



**FS-3093**

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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## ►► Applications:

Fluorescence analysis can provide information including excitation and emission spectrum, emission light intensity and measurement of life of emission light and polarization fluorescence etc and a wide lineal range of working curve.

This method has been used in: Medical science and clinical ,Pharmaceutical science and pharmacology,Biochemistry, Food industry, Pollution and Organic and inorganic chemistry.

## ►► Features for FS-3096:

- Two operation modes fluorescence Intensity and luminous intensity.
- 365nm excitmg wavelength, Raman peak of water S/N  $\geq 150$ .
- 10 stages emission spectrum scanning.
- Support off-line mode and on-line mode.

## ►► Features for FS-3093:

- 1200 line diffraction grating emission monochromator.
- LED is a cold-light source with longevity, lower background & reliability, prevent from thermo-pollution.
- Automatic zero adjustment and automatic background subtraction.
- Eight stage sensitivity adjustment, Real time fluorescence value display and concentration print out,.Extra wide dynamic range of fluorescence value ensures accurate measurement of minute changes in micro samples.



Model	FS-3096	FS-3093
light Source	Hamamatsu 150W Xenon lamp	4 digits LED
Excitation filter	Interference optical filter a) Standard set is equipped with an interference optical filter of central wavelength at 365nm and 10nm bandwidth b) An optional interference optical filter of 25mm diameter of wavelength of 250-700nm can be provided on users demand.	LED options a) Standard set includes LED at wavelength 365nm b) The A set includes LED wavelength at 365nm, 376nm, 392nm, 405nm c) Customizable wavelength from 360nm to 600nm
Emission Monochromator	C-T diffraction grating (Em 200-900nm. bandwidth 10nm)	360-650nm (C-T diffraction grating)
Wavelength Accuracy	±1nm	±2nm
Wavelength Repeatability	≤0.5nm	≤1nm
Sensitivity	Raman peak of water in 1 cm quartz fluorescence cuvette with S/N≥150	1*10 <sup>-9</sup> g/ml (Standard aqueous solution of the sulfuric acid Quinine, 12nm bandwidth)
Linear Measurement(r)	≥0.995	
Stability	better than 1.5%/10min	better than 3%/10min
Response Time	(0.1-4)s, 6 stages adjustable	(0.1-4)s
Fluorescence Display Value	0.00-600.00	0.00~250.00
Standard Accessories	365nm filter(Preassembled), 1 pc 3096 software package, 1 pc USB interface, 1 pc Quartz fluorescence sample cell 10mm, 1 pair	RS232 serial port, Glass fluorescence cuvette 10mm 1 pair
Optional Accessories	Fuses(2A/5A), 200-700nm interference optical filter(φ25mm) Quartz fluorescence sample cell 10mm Multi-function fluorescent sample rack holder, Membrane sample rack, Powder sample rack, Sample cell jacket, Octave Filters 200uL microcentrifuge tube accessory Upconversion fluorescent accessory	Data processing software package (pack, for PC) Fuses(2A) Quartz fluorescence cuvette 10mm Optional LED A Set includes: 365nm, 376nm, 392nm, 405nm
Power Supply	AC110/220V±10%, 60/50Hz	
Package Size(W"D"H)mm	450*420*310	380*420*240
Gross Weight(kg)	14	9

## 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.

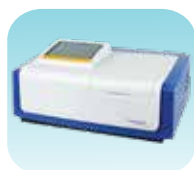
**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## 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



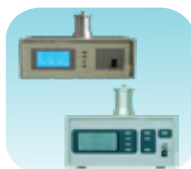
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Spectrophotometer



Liquid Partical  
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



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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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