

# FS - 2060N

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## Fluorescence Spectrophotometer



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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

## ►► Introduction:

2060N fluorescence spectrophotometer is a new generation of high performance molecular luminescence analysis instrument. The product structure is exquisite, has the characteristics of high detection sensitivity, fast scanning speed, wide spectrum measuring range, high dynamic range, fast 3D scanning, and so on. Easily meet the requirements in the field of material research, pharmaceutical analysis, biochemical and clinical testing, water quality analysis and control, food safety testing (dairy products, aquatic products, such as vitamin C, selenium, aflatoxin), and other areas.

## ►► Main Features:

**High sensitivity:** based on high efficiency optical design and weak signal detection technology, the water Raman peak signal to noise ratio can be greater than 200 (P - P) to the leading domestic and international advanced level.

**High scanning speed:** the high speed digital signal processing unit provides the world's fastest scanning speed at 48000nm/min. Only 1 second to get classic fluorescence spectra, 1 minute to get high quality of three-dimensional fluorescence spectra.

**Wide Spectral measurement range:** using a double monochromator design, excitation and emission wavelength range covering 200 nm to 900 nm, meet the needs of most fluorescence analysis.

**Excitation light path monitoring system:** instrument is equipped with excitation light dual beam ratio monitoring system to ensure the fluorescence signal high and stable.

**High quality assurance:** using Hamamatsu's high quality Xenon light source and photoelectric multiplier tube detectors and instruments to provide sufficient light intensity signal and the detection sensitivity.

**Built-in optical gate:** Built-in optical gate, designed for unstable sample.

## ►► Optional Parts:

Accessories	Functions
Single sample rack	Conventional liquid fluorescence sample
Multi purpose fluorescent sample rack holder	Base holder for other racks
Octave Filters	Remove the interference of frequency doubling
Membrane sample rack	For membrane sample
Powder sample rack	For powder samples
Auto Polarization filter	Adjust the polarization light
Jacket sample rack	

## ►► Specifications :

Specification Fluorescence Spectrophotometer	
Excitation Source	150W xenon lamp
Excitation Wavelength	200nm~900nm
Emission Wavelength	200nm~900nm
Excitation Slit	2nm、 5nm、 10nm、 20nm, 30 nm
Emission Slit	2nm、 5nm、 10nm、 20nm
Wavelength Accuracy	±1.0nm
Wavelength Repeatability	≤0.5nm
Signal-to-Noise Ratio	S/N≥150 (10nm Slit)(P-P) S/N≥1000 (10nm Slit) (RMS) S/N≥10000 (10nm Slit) (RMSBG)
Resolution	+2 nm
Limit	≤1×10 <sup>-10</sup> g/ml (Quinine Sulfate Solution)
Linearity	γ≥0.995
Response Time	0.01/0.1/0.5/1/2/4/8 s, Auto adjust
Peak Repeatability	≤1.5%
Stability(10min)	Zero Drift: ±0.3
	Value Limit: ±1.5%
Optical system	Two single Czerny-Turner with 1200g/mm ruled gratings
Excitation Slit	30 nm
Spectral Bandwidth	1 to 20 nm
Wavelength Scan Speed	Multi-speed Level, Maximum at 48000nm/min
Photometric Quantity Range	0.00-10000.00
Data Transportation	USB2.0
Power	200W
Power Source	AC 220V/50Hz; 110V/60Hz
Instrument Dimension	380×445×310 (mm)
Weight	Net Weight: 12kg      Gross Weight: 14kg

## 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.

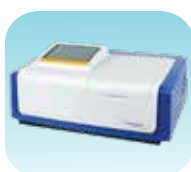
**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## 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.

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3007



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Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



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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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