



UV-VIS SPECTROPHOTOMETERS



cs@irisanalytical.com



+1 706 760 4500



www.irisanalytical.com



Fluorescence Spectrophotometer is designed to enhance the productivity, interchangeable, plug-and-play accessories, intuitive software that mirrors your laboratory workflow, and maintenance and services that validate your equipment and ensure standard compliance regulations are met. Fluorescence Spectrophotometer is intended to fit in the field of bioscience, industrial, chemical, environmental, pharmaceutical, agricultural, and academic applications. Iris **b** is the development of healthy and reliable with the latest optical technology and better-quality systematic performance.

Fluorescence Spectrophotometer IFS-1000 Series

Fluorescence Spectrophotometer IFS-1000 Series is equipped with a high-quality xenon source and photoelectric detectors to provide sufficient light intensity signal and the detection sensitivity. Operates in variable wavelength range: 200, 365, 405, 470, 515, 650, and 900 nm with ± 1 nm and ± 2 nm accuracy and 0.5 to 1 nm wavelength reproducibility. Suitable in the field of bioscience, industrial, chemical, environmental, pharmaceutical, agricultural, and academic applications. Multi accessories are available.



It is a horizontal beams spectrophotometer measure a trace amount of sample, CE certified, and offer robustness, reliability, and sensitivity with 365 nm and C-T diffraction grating. Suitable for education & laboratory, organic & inorganic chemistry.

- Designed to improved laboratory safety
- Easy to use and unique sampling
- Expand analytical capabilities
- Offer robustness, reliability and sensitivity
- Offer variable wavelength
- Accuracy: ± 1 nm and ± 2 nm
- Reproducibility: ≤ 0.5 nm and ≤ 1 nm
- Available with multi accessories
- Portable and user friendly
- CE certified and support USB and R322 interface to transfer data
- Used to measure a variety of unique surfaces
- Accomplish consistent and accurate colour measurement
- Ease rework and wasted materials
- Quick to meet customer demands

Accessories

- Power cord: 1 pc
- Fuse(1A): 2 pcs
- Fuse(5A): 2 pcs
- Quartz fluorescence cuvette 10 mm: 2 pcs

Optional Accessories

- Cuvette, special for high concentration samples
- 360 to 650 nm interference optical filter(25 mm) e.g.: IFS-1093A: 365,405,470,515 nm
- Quartz fluorescence cuvette10mm
- Data processing software
- Printer cable
- RS-232C serial port cable

Model	IFS-1093		IFS-1093A		IFS-1096		IFS-1096A	
Wavelength range	365 nm		365,405,470,515 nm		200 to 650 nm		Excitation: 365 nm, Emission: 200 to 900 nm	
Display	LED							
Accuracy	±2 nm				± 1 nm			
Reproducibility	±1 nm				± 0.5 nm			
Source	LED					150 W Xenon lamp		
Monochromatic	360 to 650 nm (C-T diffraction grating)				C-T grating Emission: 200 to 650 nm, Bandwidth: 10 nm			
Spectral Bandwidth	10 nm							
Slit	-						Excitation: 10 nm, Emission: 10 nm	
Sensitivity	1×10-9 g/ml				-			
Limit	-							
Linearity	±3.0%				±0.995		±0.995	
Photometric Range	-				-9999 to 9999			
S/N ratio	-				S/N≥90		S/N≥150(P-P)	
Upper Limit Value	-				±1.5% (Within 10 minutes) (displaying value±50)			
Detection limit	-				1 × 10-10 g / ml quinine sulfate solution			
Exciting optical filters	Interference optical filter (10 nm bandwidth)							
Certification	CE							
Interface	RS232				USB2.0			
Power Consumption	-				200 W			
Dimension	450×420×280 mm				550×510×365 mm			
Net Weight	7 kg				11 kg			
Gross Weight	9 kg				13 kg			
Electrical Requirement	220V±22V 50Hz±1Hz	110V/60Hz	220V±22V 50Hz±1Hz	110V/60Hz	220V±22V 50Hz±1Hz	110V/60Hz	220V±22V 50Hz±1Hz	110V/60Hz
Catalogue No.	5803500502	5803500501	5803501002	5803501001	5803501502	5803501501	5803502002	5803502001

