



UV-VIS SPECTROPHOTOMETERS



cs@irisanalytical.com



+1 706 760 4500



www.irisanalytical.com

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

