

UV-VIS SPECTROPHOTOMETERS



cs@irisanalytical.com

+1 706 760 4500

www.irisanalytical.com

Visible Spectrophotometer IVS-100 Series is simple to operate and easy to use instrument with advanced performance technology. This series is a single beam spectrophotometer. Our line of spectrophotometers is intended to fit into the medical and health department, biochemistry, petro-chemistry, environmental monitoring, and quality control as qualitative and quantitative analyses. Build-in halogen tungsten light source and a silicon photodiode detector.

We offer a soft keypad display, with continuous wavelength ranging from 325 to 1000 nm, 320 to 1100 nm. Suitable for basis, standard curve and coefficient method, quantitative and qualitative analysis of samples within the visible spectrum and with manual and automatic setting mode to escape operation miscalculations. Offer lead screw structure to instruments for better accuracy and resolution. Access with T, A, C, F photometric range along with 4 different mode functions including absorption, transmittance, concentration, and coefficient with manual switching mode.

Functions of photometric range:

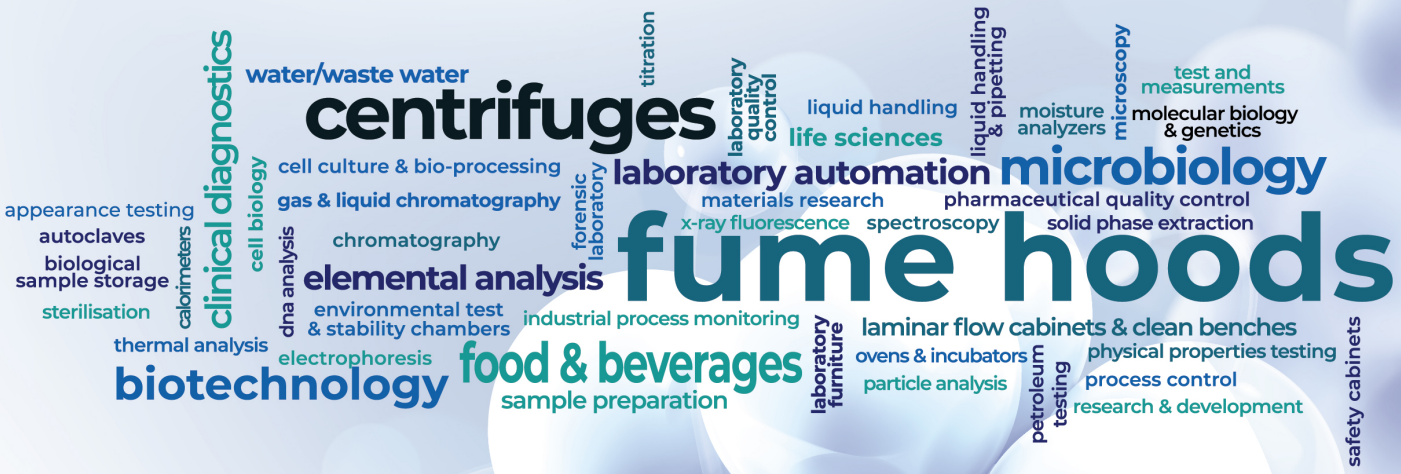
- T Type: used to measure the transmittance of samples.
- A Type: used to measure the Absorbance of samples.
- C Type: used to measure the standard curve can use at most 9 standard samples to generate a new standard curve and to measure the unknown samples by the new one.
- F Type: used to measure the coefficient method input the known K and C to measure the unknown concentration samples.

Features

- Microprocessor controlled
- 1200 line grating which ensures high resolution
- Designed with 128×64-inch LCD display
- Spectral bandwidth 2 and 4 nm
- Die-cast aluminum base materials
- Single beam spectrophotometer with highly stable optics
- Low stray light with ≤ 0.2% T and ≤0.5% T
- Simple to upgrade: basis, standard curve and coefficient method, quantitative and qualitative analysis
- Automatic and manual setting mode
- Designed with lamp saver mode
- Designed with high class grating hermetic light path to ensure low stray light
- Support USB Port & Parallel Port (Printer) for data storage

Model	IVS-110		IVS-120	
Wavelength	320 to 1100 nm			
Wavelength Setting	Auto			
Display	128×64-inch LCD			
Detector	Silicon Photodiode			
Accuracy	±0.8 nm		±0.5 nm	
Reproducibility	0.3 nm		0.2 nm	
Source	W Lamp			
Baseline Flatness	± 0.002A/h		± 0.0015A/h	
Spectral Bandwidth	2 nm			
Stability			± 0.001A/h (500 nm)	
Photometric Accuracy	±0.3% T			
Photometric Reproducibility	0.2% T			
Photometric Range	-0.3 to 3A 0 to 200% T 0 to 9999 C			
Stray light	?0.05% T			
Interface	USB Port & Parallel Port(Printer)			
Dimension	460×360×225 mm			
Weight	18 kg			
Electrical Requirement	AC 220V/50Hz	110V/60Hz	AC 220V/50Hz	110V/60Hz
Catalogue No.	580050502	580050501	580051002	580051001

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