



UV-VIS SPECTROPHOTOMETERS



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Visible Spectrophotometer IVS-200 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 320 to 1100 nm. Features with LCD light display with 190 to 1100 nm and 320 to 1100 range and tungsten halogen lamp. Portable and effortless handling with flatness up to $\leq 0.1\%$ T (NaNO₂, 360 nm), 0.05% T (NaNO₂, 360 nm) stray light and single beam, flat grid of 1200L / mm.

- Results can be reported quickly
- Large 6 inches blue and 16X2 LCD display with touch features
- Improved optical and electronic design
- Single beam detector
- Automated design, realizing easy measurement
- Parameters can be kept for future use and automatically save after power failure
- Determined wavelength scanning, time scanning, multiple wavelength determination, multiple order derivative determination, double wavelength method and triple wavelength method etc.
- Data outputs can be gained by means of a printer port and RS-232 interface with optional USB port
- Automatic 10 mm 8-cell holder, variable to automatic 5 mm to 50 mm 4-position cell holder for more choices

Model	IVS-210		IVS-220	
Wavelength	320-1100 nm			
Display	6 inches blue LCD light		16X2 LCD	
Detector	Silicon photodiode			
Accuracy	± 0.5 nm		± 2.0 nm	
Reproducibility	0.2 nm		1 nm	
Source	-		Halogen tungsten lamp	
Monochromator	Single beam, flat grid of 1200L / mm			
Spectral Bandwidth	2 nm (5 and 1 nm are optional)		5 nm (1,2 and 4 nm are optional)	
Stability	?0.001A/h (at 500nm, after heating			
Photometric Accuracy	$\pm 0.5\%$ T (0-100% T), ± 0.002 A (0-0.5A) ± 0.004 A (0.5A-1A)		$\pm 0.5\%$ T	
Photometric reproducibility	0.2% T		0.3 % T	
Photometric range	-0.3 to 3 A			
Stray light	? 0.1% T (NaNO ₂ , 360 nm)		? 0.05% T (NaNO ₂ , 360 nm)	
Baseline Flatness	± 0.002 A			
Power Consumption	140 W		100 W	
Dimensions	530 × 410 × 210 mm		-	
Weight	18 kg		15 kg	
Electrical Requirement	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	580100501	580100502	580101001	580101002

