



Excellence in Measurement

ISO9001:2008 CERTIFIED COMPANY



CE CB RoHS

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## ▷ SP-VIS 100

### Recommended application areas

SP-VIS100 is an ideal Visible Spectrophotometer for routine Analysis at teaching in Schools, Colleges and Universities.

It can also be used for simple sample analysis for a lot of different type of samples where the sample throughput is low and no automation is required.



### Basic Instrument Functions

Basic measurement	Photometric measurement (A/T)
Photometric analysis	Transmission & Absorption
Signal output	Analog

### Performance Specification

ITEM	SP-VIS 100
Optical system	Single beam using a 1200 lines/mm diffraction grating monochromator.
Light path	10mm-50mm
Wavelength range (nm)	320 -1010 (1nm increment)
Spectral bandwidth (nm)	5
Wavelength accuracy (nm)	±2.0
Wavelength repeatability (nm)	±1.0
Stray light	≤0.5%T(at 340nm)
Photometric mode	T, A, and Conc. measurement;
Photometric range	0-125.0%T, 0-1.999A
Photometric accuracy	±1.0%T
Photometric repeatability	±0.5%T
Stability	±0.004A/hr (at 500nm, after lamp turned on for 1hour)
Light source	Tungsten -Halogen
Detector	Silicon Photodiode

### Accessories available

- Micro-volume cuvette (30µl, as the minimum volume.)  
(Adjustable cuvette holder should be used.)
- Ultra-micro cuvette (0.1µl, as the minimum volume.)
- Multipurpose cuvette holder for both 10mm light path cuvette and Ø8-Ø22 round tube
- 16 mm round tube holder for COD test

### Scope of supply

- 10mm manual four-cell holder 1pcs
- 10×10×45 mm standard glass cuvettes 4pcs
- RS-232C connection cord 1pcs
- Power cable 1pcs
- User manual 1pcs

### Main Specification

Display	Digital LCD display
Power Requirement	110/220VAC,50/60Hz, ±10%
Size	415 (W)×315 (D)×155 (H) mm
Net Weight	7KG
Gross weight	9KG