

MICROPROCESSOR SINGLE BEAM VISIBLE SPECTROPHOTOMETER WITH SOFTWARE

► Product Description

The Single Beam Spectrophotometer features a C-T monochromator with a holographic grating of 1200 lines/mm, a wavelength range of 320–1020 nm, and a spectral bandwidth of 2 nm. It offers ± 2 nm wavelength accuracy, a silicon photodiode detector, a tungsten lamp, four-digit LCD display, direct concentration readout, and an RS-232C port for data connectivity.

► Features

- The Monochromator with a holographic flashing grating is used.
- It has the advantage of high wavelength precision, good monochromatic and low stray light.
- A sample compartment is equipped with 50 mm cell holder.
- Direct concentration read-out and concentration factor setting function.
- Equipped with RS232 Port.

► Application/Uses

- Medical/Pharmaceutical
- Industry Environmental Monitoring
- Commodity Inspection
- Food Inspection
- Agricultural Chemistry
- Teaching in Colleges & Universities
- Metallurgy
- Geology
- Machine Manufacturing
- Petrochemical Industries
- Water and Waste Water Labs
- Food and Beverage Labs

► Accessories

- Main Instrument: 1 Unit
- Operational Manual: 1 No.
- Power Cable: 1 No.
- Glass Cell 10 mm: 4 Nos.
- Software CD: 1 No.
- RS 232 Cable: 1 No.



Parameter	Specification
Product name	Microprocessor Single Beam Visible Spectrophotometer With Software
Model name	LW-SBVS-10
Optical System	C-T Single Beam, Grating 1200lines/mm
Wavelength Range	320-1020nm
Spectral Bandwidth	2nm
Wavelength Interval	1nm
Wavelength Accuracy	±2nm
Wavelength Repeatability	≤1nm
Photometric Accuracy	±1%T
Photometric Repeatability	0.5%T
Photometric Range	0 -1.999A, 0-199.9%T
Stray Light	≤0.3%T@340nm
Stability	±0.004A/h @500nm
Display	4 LCD
Photometric Mode	T,A,C
Detector	Si Photodiode
Light Source	Tungsten lamp
Power Requirement	AC (220V/50Hz)
Dimensions	(W x D x H) 450 x 520 x 320mm
Weight	10kg
Output	RS-232C Port