



VISIBLE SPECTROPHOTOMETER LVS-A2 SERIES

Visible Spectrophotometer LVS-A20

Visible Spectrophotometer LVS-A20 is single beam bench top device with 340 to 1000 nm wavelength range, and offers spectral bandwidth of 5 nm. Features with T, A, C photometric working mode and Czerny-Turner monochromator type unit. Designed with holographic blazed grating monochromator it has the advantage of high wavelength accuracy, good monochromaticity and low stray light. The high accuracy and good reproducibility and stability of measurement reading instrument.

Visible Spectrophotometer LVS-A21

Visible Spectrophotometer LVS-A21 is single beam bench top device with 325 to 1000 nm wavelength range, and offers spectral bandwidth of 2 nm. Designed with 7 inch multicolor touch-screen and good human-computer interface. Features with T, A, C work mode and Czerny-Turner monochromator type unit. Designed with holographic blazed grating monochromator has the advantages of high wavelength accuracy, good monochromaticity and low stray light. The high accuracy and good reproducibility and stability of measurement reading instrument.

Features :

- ❑ The holographic blazed grating monochromator has the advantages of high wavelength accuracy, good monochromaticity and low stray light
- ❑ Designed with 7 inch multicolor touch-screen and good human-computer interface (LVS-A21)
- ❑ Sample compartment for 5 to 50 mm cuvettes
- ❑ Equipped with USB port and automatic zero, full scale adjustment
- ❑ Automatic light gate technology to protect photoelectric sensors
- ❑ Adopts microprocessor control technology, qualitative analysis of substances in the visible spectrum, High accuracy of measurement readings, good stability
- ❑ Automatic light gate technology, no need blackbody, to protect the photoelectric sensor

Application :

Visible Spectrophotometer is used in high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industries, etc.

Specifications:

Model	LVS-A20	LVS-A21
Photometry	Single Beam	
Monochromatic Type	Czerny-Turner	
Wavelength range	340 to 1000nm	325 to 1000nm
Spectral bandwidth	5 nm	2 nm
Wavelength Accuracy	± 2 nm	
Wavelength Repeatability	≤ 1 nm	
Focal length	160 mm	
Photometric Range	0 to 100.0 %T 0 to 1.999 A 0 to 1999 C	
Photometric Accuracy	± 0.5 % T	
Photometric Repeatability	≤ 0.2 % T	
Detector	Silicon Photocell	
Grating	1200 lines/mm	
Stray light	≤ 0.1 (at 360nm NaNo ₂)	
Noise	100% (T) noise $\leq 0.3\%$ (T) , 0% (T) noise ≤ 0.2 %(T)	
Cuvette holder size	10 mm	
Dimension	580 × 460 × 345 mm	

Visible Spectrophotometer LVS-A2 Series

Power consumption	80 W	120 W
Power supply	AC 220 V \pm 22 V 50Hz \pm 1 Hz	AC 220V \pm 22V 50 Hz \pm 1 Hz
Gross weight	12.5 kg	16.5 kg

Standard Accessories:

Accessories no.	Name	Qty.
1	User manual	1 pc
2	Glass cuvette 1cm 4	4 pcs
3	Power cable	1 pc
4	Fuse	2 pcs