

# Single Beam UV-Vis Spectrophotometer



## TL-1700

TOPLAB INDIA'S TL-1700 series Single beam UV-Vis Spectrophotometer has lead screw structure which ensures high wavelength accuracy of the instrument. TL-1700 with more accurate technical specification is your best choice for Single beam UV-Vis Spectrophotometer.

TL-1700 has large 6-inch screen display with large scanning UV Vis Spectrophotometer which combines best features of single beam spectrophotometers. It is your ideal choice for stand-alone spectrophotometer; also It can achieve more accurate and flexible measurement via PC control, which can meet the needs of different users.

TL-1700 is most UV Vis Spectrophotometer with high accuracy and reliability measurement to meet the requirements of various applications that can be used in biological research, bio-industry, pharmaceutical analysis, pharmaceutical, teaching and research, environmental protection, food hygiene, clinical examination, health and epidemic prevention and other fields.

### Features



#### • Long light path design

TL-1700 with unique 520nm long light path design greatly improved resolution and fixed bandwidth at 1.8nm and TL- 1700S with variable bandwidth (5nm,-4nm, 2nm, 1nm, 0.5nm)to meet the stringent requirements of the Pharmacopoeia.

#### • Multi functions

Multi functions operated directly on spectrophotometer and display the test results curve and data: wavelength scanning, time scan, standard curve, kinetics, multi-wavelength scanning, dual-wavelength, DNA/Protein test.

#### • 16mm optical base

Improved optimization of the Optical design uses 16 mm die-cast aluminum base as its optical mount to ensure instruments stability and reliability with import source and receiver system created a high performance and high reliability

#### • Perfect calibration system

All baseline, wavelength, dark current can be calibrated automatically to keep good running conditions

#### • 6 inches LCD display

TL-1700 Series UV-Vis Spectrophotometer 6' inches LCD display to show results and curves directly on screen.

#### • Powerful software functions

Multi functions like Spectrum scanning, time scan, Standard curves, kinetics, multi-wavelength scanning, DNA/Protein measurements can directly operated on PC.

#### • Data output

TL-1700 is equipped with USB port to connect with a PC, and the PC operation software comes as Optional with instrument on customer's requirement at extra cost.



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### Technical Specification ... >>>

Model	TL-1700	TL-1700A
Wavelength Range	190 - 1100 nm	
Bandwidth	1.8 nm	1 nm
Wavelength Accuracy	± 0.3 nm	
Wavelength Repeatability	0.1 nm	
Photometric Accuracy	± 0.3% T	
Photometric Repeatability	0.15%T	
Photometric Range	-0.3 ~ 3A, 0 ~ 200%T, 0 ~ 9999C	
Stray Light	≤ 0.03%T, @220nm, 360nm	
Stability	± 0.0005A/h@500nm	
Noise	± 0.0002A@500nm	
Display	6" inches Large LCD	
Detector	Silicon Photodiode / PMT	
Output	USB	
Lamps	Deuterium Lamp & Tungsten Halogen Lamp	
Power Requirements	AC 220V/50Hz	
Dimension	625*430*206mm	
Weight	28Kg	

### Standard Accessories ■■■ >>>

Item	Description	Quantity	Unit
1	Spectrophotometer	1	set
2	1cm Glass cuvette	4	pcs
3	Power cord	1	pcs
4	User's Manual	1	pcs
5	1cm quartz cuvette	2	pcs
6	Dust Cover	1	pcs
7	Software Kit ( Optional)	1	pcs