

STALWART

Single Beam Spectrophotometer STV-1600 Series



Features

- Unique optical system, 1200 lines/mm grating and imported receiver to ensure its sound performance.
- The instrument has basic functions of photometric analysis and quantitative analysis. With optional PC software, it expands the applications, such as spectral scanning, kinetics, DNA/protein analysis, multi-wavelength test, etc.
- Adopts 51 microcomputer system, and can store 200 test data and 100 standard curves;
- Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
- Large sample chamber can accommodate 5-100mm cuvettes of all kinds.
- Extensive accessories are optional, such as 50/100mm manual 4-cell holder, auto 8-cell holder, film holder, 21 CFR compliant software, etc.

Specification

Item	STV-1600	STV-1610
Optical System	Single Beam, Grating 1200 lines/ nm	
Wavelength Range	190-1000nm	
Spectral Bandwidth	2 nm	4 nm
Wavelength Accuracy	1nm	
Wavelength Repeatability	<=0.5nm	
Photometric Accuracy	0.5%T	
Photometric Repeatability	0.3%T	
Photometric Range	0-200%T, -0.3~3A, 0-9999C	
Stray light	0.3%T	
Stability	± 0.002A/h @500nm	
Baseline Flatness	± 0.002 A	
Noise	± 0.001 A	
Work Mode	T, A, C, E	
Wavelength Setting	Auto	
Display	128*64 LCD	
Light Source	Deuterium & Tungsten lamp	
Detector	Silicon Photodiode	
Cuvette Holder	10mm manual 4 -cell holder	
Output	USB, RS232	
Power	AC 110-220V 50-60Hz	
Shipping Size	700*580*340mm	
Gross Weight	20kg	
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV) , Power cord, User's Manual	