

# STALWART

## Single Beam Spectrophotometer STV-200 Series



## Features

- 7-inch touch screen and windows graphic interface.
- 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.
- Support fast scanning, automatic wavelength setting, and automatic lamp switching.
- In-house powerful storage capacity, which can store 2000 data and 97 working curves.
- Optional accessories: Bluetooth printer, built-in printer, PC software etc.

## Specification

Item	STV-200V	STV-200U
Optical System	Single Beam	
Monochromator	C-T monochromator, Blazed Holographic Grating 1200lines/nm	
Wavelength Range	320-1100 nm	190-1100 nm
Spectral Bandwidth	4 nm	
Wavelength Accuracy	$\pm 1\text{nm}$	
Wavelength Repeatability	$\pm 0.5\text{nm}$	
Photometric Accuracy	$\pm 0.5\%T$ , $\pm 0.004A(0-0.5A)$ , $\pm 0.008A(0.5-1A)$	
Photometric Repeatability	$\pm 0.5\%T$ , $\pm 0.004A(0-0.5A)$ , $\pm 0.008A(0.5-1A)$	
Photometric Stability	$\pm 0.15\%T$ , $\pm 0.002A(0-0.5A)$ , $\pm 0.004A(0.5-1A)$	
Photometric Range	0-200%T, -0.3~3A	
Stray light	0.1%T	
Stability	0.002A (500nm, 3min)	
Noise	0.15%T	
Work Mode	T, A, C, E	
Wavelength Setting	Auto	
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)	
Display	7-inch Touch Screen	
Light Source	Tungsten lamp	Deuterium & Tungsten Lamp
Detector	Silicon Photodiode	
Cuvette Holder	10mm manual 4 -cell holder	
Output	USB(A) for data transfer, USB(B) for PC software	
Power	AC 110-220V 50-60Hz	
Shipping Size	700*680*340mm	
Gross Weight	20kg	
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV), Power cord, Manual	