

STALWART

**Touch Screen
UV-VIS-Spectrophotometer
STA-6100T Series**



Features

- Dual optical path, dual beam optical system, dual detector, using high performance imported grating, lower stray light, stronger stability, reliability, more accurate analysis.
- Equipped with 7" touch screen, built-in 32G memory, support Bluetooth connection network.
- Powerful data analysis function, internal computer of the host, can input calibration curve, can independently complete photometric measurement, quantitative measurement, spectral scanning, dynamics. DNA/ protein testing, multi-wavelength testing and data printing functions.
- Adopt the optical system suspension design, the whole optical path is independently fixed on the 8mm thick aluminum deformation-free base, the deformation of the bottom plate and the vibration of the outside have no impact on the optical system, thus greatly improving the stability and reliability of the Instrument.
- With powerful storage function, the instrument can be directly connected to the printer for A4 format data and graph printing.
- With automatic startup verification and system positioning functions, to repair the deviation caused by long-term application a printer.
- Data can export to USB directly.

Specification

Item	STA-6100T	STA-6100AT	STA-6100ST
Wavelength Range	190-1100nm	190-1100nm	190-1100nm
Spectral Bandwidth	2.0nm	1.0nm	0.5,1.0,2.0,4.0nm
Wavelength Accuracy	±0.5nm	±0.5nm	±0.5nm
Wavelength Repeatability	≤0.2nm	≤0.2nm	≤0.2nm
Stray Light	≤0.05%T220nm, 360nm	≤0.05%T220nm, 360nm	≤0.05%T220nm, 360nm
Photometric Accuracy	±0.2%T(0-100%T) ±0.002Abs(0-0.5Abs) ±0.004Abs(0.5-1.0Abs)	±0.2%T(0-100%T) ±0.002Abs(0-0.5Abs) ±0.004Abs(0.5-1.0Abs)	±0.2%T(0-100%T) ±0.002Abs(0-0.5Abs) ±0.004Abs(0.5-1.0Abs)
Photometric Repeatability	≤0.05%T(0-100%T) 0.002Abs(0-0.5Abs) 0.004Abs(0.5-1.0Abs)	≤0.05%T(0-100%T) 0.002Abs(0-0.5Abs) 0.004Abs(0.5-1.0Abs)	≤0.05%T(0-100%T) 0.002Abs(0-0.5Abs) 0.004Abs(0.5-1.0Abs)
Stability	±0.0001A/h@500nm	±0.0001A/h@500nm	±0.0001A/h@500nm
Photometric Range	0-200%T, -4.0-4.0A, 0-9999C	0-200%T, -4.0-4.0A, 0-9999C	0-200%T, -4.0-4.0A, 0-9999C
Baseline Flatness	±0.001A	±0.001A	±0.001A
Noise	±0.0005A	±0.0005A	±0.0005A

Specification

Display	800*480 smart touch screen	800*480 smart touch screen	800*480 smart touch screen
Data Output Port	USB	USB	USB
Printer Port	USB Port	USB Port	USB Port
Light source	Tungsten Lamp & D2 Lamp	Tungsten Lamp & D2 Lamp	Tungsten Lamp & D2 Lamp
Power Requirements	AC220V/50Hz or 110V/60Hz	AC220V/50Hz or 110V/60Hz	AC220V/50Hz or 110V/60Hz
Detector	Silicon Photodiode	Silicon Photodiode	Silicon Photodiode
Dimension	460*380*180mm	460*380*180mm	460*380*180mm
Weight	20Kg	20Kg	20Kg

Standard Accessories

Sr#	Description	Quantity	Unit
1	1 cm Glass cuvette	4	Pcs
2	Power cord	1	Pcs
3	User's Manual	1	Pcs
4	1 cm quartz cuvette	2	Pcs
5	Dust cover	1	Pcs