

# STALWART

## Color Screen Spectrophotometer STKC-Series



STKC-Series

## Introduction

7 inches color LCD and window Graphic interface. Powerful functions like Photometric measurement, Quantitative measurement, kinetics Spectrum scan, DNA/Protein test, Multi-wavelength test, etc.

## Features

- 7 inches TFT color screen and windows graphic interface.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
- In-house massive memory is capable of saving up to 1024M for test data & working curves.
- Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
- 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 auto 8-cell holder, film holder, peltier/sipper system, 21 CFR compliant software, built-in printer, etc.

## Specification

| Item                      | STKC-600                                          |         | STKC-601    | STKC-601S |
|---------------------------|---------------------------------------------------|---------|-------------|-----------|
| Optical System            | Single Beam, Grating 1200 lines/mm                |         |             |           |
| Wavelength Range          | 190-1100 nm                                       |         |             |           |
| Spectral Bandwidth        | 2nm                                               | 1nm     | 0.5/1/2/4/5 |           |
| Wavelength Accuracy       | ±0.1nm@656.1nm, ±0.3nm@all                        |         |             |           |
| Wavelength Repeatability  | ≤0.1nm                                            |         |             |           |
| Photometric Accuracy      | 0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)  |         |             |           |
| Photometric Repeatability | ≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A) |         |             |           |
| Photometric Range         | 0-200%T, -4~4A, 0-9999C (0-9999F)                 |         |             |           |
| Stray Light               | ≤0.03%T@220nm, 360nm                              |         |             |           |
| Stability                 | ±0.0005A/h@500nm                                  |         |             |           |
| Baseline Flatness         | ±0.002A                                           | ±0.001A |             |           |
| Noise                     | 0.0005A@500nm                                     |         |             |           |
| Work Mode                 | T, A, C, E                                        |         |             |           |
| Scanning Speed            | Hi, Med, Low (Max. 3000nm/min)                    |         |             |           |
| Wavelength Setting        | Auto                                              |         |             |           |
| Display                   | 7" TFT Color Screen                               |         |             |           |

## Specification

|                      |                                                                                          |
|----------------------|------------------------------------------------------------------------------------------|
| Light Source         | Imported Deuterium & Tungsten lamp                                                       |
| Detector             | Imported Silicon Photodiode                                                              |
| Cuvette Holder       | 10mm manual 4-cell holder                                                                |
| Output               | USB drive, USB host, Rs232                                                               |
| Power                | AC 220V/50Hz or AC 110V/60Hz                                                             |
| Shipping Size        | 810*660*390mm                                                                            |
| Gross Weight         | 27kg                                                                                     |
| Standard Accessories | 10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual , PC software |

## Specification

| Item                      | STKC-800                                          |         | STKC-801    | STKC-801S |
|---------------------------|---------------------------------------------------|---------|-------------|-----------|
| Optical System            | Double Beam, Grating 1200 lines/mm                |         |             |           |
| Wavelength Range          | 190-1100 nm                                       |         |             |           |
| Spectral Bandwidth        | 2nm                                               | 1nm     | 0.5/1/2/4/5 |           |
| Wavelength Accuracy       | ±0.1nm@656.1nm, ±0.3nm@all                        |         |             |           |
| Wavelength Repeatability  | ≤0.1nm                                            |         |             |           |
| Photometric Accuracy      | 0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)  |         |             |           |
| Photometric Repeatability | ≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A) |         |             |           |
| Photometric Range         | 0-200%T, -0.3~3A, 0-9999C (0-9999F)               |         |             |           |
| Stray Light               | ≤0.03%T@220nm, 360nm                              |         |             |           |
| Stability                 | ±0.0003A/h @500 nm                                |         |             |           |
| Baseline Flatness         | ±0.002A                                           | ±0.001A |             |           |
| Noise                     | 0.0005A@500nm                                     |         |             |           |
| Work Mode                 | T, A, C, E                                        |         |             |           |
| Scanning Speed            | Hi, Med, Low (Max. 3000nm/min)                    |         |             |           |
| Wavelength Setting        | Auto                                              |         |             |           |
| Display                   | 7" TFT Color Screen                               |         |             |           |

## Specification

|                      |                                                                                          |
|----------------------|------------------------------------------------------------------------------------------|
| Light Source         | Imported Deuterium & Tungsten lamp                                                       |
| Detector             | Imported Photomultiplier Tube                                                            |
| Cuvette Holder       | 10mm single hole cell holder                                                             |
| Output               | USB drive, USB host, Rs232                                                               |
| Power                | AC 220V/50Hz or AC 110V/60Hz                                                             |
| Shipping Size        | 880*690*520mm                                                                            |
| Gross Weight         | 45kg                                                                                     |
| Standard Accessories | 10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual , PC software |