

# UV-1700CPC UV-V Spectrophotometer



## Introduction

- Host Chinese operating system, 10 inches touch screen LCD.
- UV-1700CPC successful implementation of the stringent requirements of 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.
- A wide wavelength range, the wavelength range to meet the various requirements of the field.
- Automatic design to achieve the most simple means of measurement.
- LSI design greatly improves the stability and reliability of the system.
- Improved optimization of the optical design, import source and receiver system created a high performance and high reliability.
- Rich measurement methods, with a wavelength scan, time scan, multi-wavelength determination, multi-order derivative determination (optional), dual-wavelength, three-wavelength (optional) DNA protein measurements (optional), and other measurement methods to meet different measurement requirements, and can be displayed directly on a 10-inch screen.
- Based on user requirements optional hole rack, manual four with stand, manual Eighth rack, automatic Eighth frame, glass stand, test tube rack, 1cm colorimetric frame, 5cm colorimetric frame, 10cm colorimetric racks.
- Support external U disk storage and transmission of experimental data.
- Measurement data can be output through the printer with USB interface.
- Can be powered down to save the measurement parameters and data, user-friendly.
- Can achieve more accurate and flexible measurement via PC control, which can meet the needs of different users.

## Optical Specifications

|                           |  |
|---------------------------|--|
| Wavelength Range          | 190~1100nm   |
| Band Width                | 1.8nm  |
| Wavelength Accuracy       | ±0.3nm   |
| Wavelength Repeatability  | ≤0.1nm   |
| Photometric Accuracy      | ±0.3% τ (0-100%τ) ±0.002A(0~0.5A) ±0.003A(0.5A~1A)   |
| Photometric Repeatability | ±0.15% τ (0-100%τ) ±0.001A(0~0.5A) ±0.0015A(0.5A~1A) |
| Stray Light               | ≤0.03% τ (220nm NaI, 340nm NaNO <sub>2</sub> )       |
| Stability                 | 0.0005A/h@500nm                                      |
| Noise                     | ± 0.0002A @500nm                                     |
| Baseline Flatness         | ± 0.001A   |
| Photometric Mode          | T,A,C,E  |
| Wavelength Setting        | Automatic  |
| Photometric Display Range | -4~4A  |
| Display Mode              | 10 inches touch screen LCD                           |
| Detector                  | Import Silicon Photodiode                            |
| Light Source              | Import Deuterium Lamp & Tungsten Halogen Lamp        |
| Power Requirement         | AC 220V/50Hz 110V/60Hz                               |
| Power                     | 120W   |
| Dimensions(W*D*H)         | 560×450×230mm  |
| Weight                    | 28Kg   |