C-7000
Series

Introduction

Steady, modern and elegant appearance design. Adopt the newest microcomputer technology and electronic control system. Optimized optical system and structure can both extend new functions and ensure the accuracy, stability and durability.

Main Features

- 7 inch TFT screen and long life, more comfortable and easy-to-operate silicone buttons.

- Support USB storage and different data formats such as Excel, txt and image (PC software). Users can output test data to flash memory, open and edit them on computers directly without any auxiliary software.

- Standard RS232,USB(A) and USB(B) port.

- High-efficiency holographic grating of 1200 lines/mm and low stray light.

- The equipment has long-life socket type tungsten-halogen and deuterium lamps , can switch the lamps according to test needs and record its working time automatically. Socket type lamps make the replacement much easier.

- Excellent silicon photodiode can guarantee the equipment is highly sensitive and stable.

- Huge sample chamber and various accessories can meet all kinds of needs.

- Can be connected to printer directly and output test charts and data.

- Powerful PC software (optional) can realize scanning function.

Specifications

MODEL	C-7000V	C-7000UV
Display	7-inch TFT screen	
Wavelength Range	320 - 1100nm	190 - 1100nm
Spectral Bandwidth	2nm	2nm
Wavelength Resolution	0.1nm	0.1nm
Wavelength Accuracy	±0.3nm	±0.3nm
Wavelength Repeatability	≤0.2nm	
Photometric Accuracy	0.3%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)	
Stray Light	≤0.05%T@220 nm, 360nm	
Stability	±0.002 A/h@500nm	
Baseline Flatness	±0.002A	±0.002A
Noise	±0.0005A	
Working Mode	T,A,C,E	
Wavelength Setting	Automatic	
Photometric Range	0-200%T, -0.3 - 3A, 0-9999C(0-9999F)	
Detector	Solid Silicon Photodiode	
Software	Optional with extended functions of scanning and DNA/protein tests	
Printer	Optional	
Keypad	Silicone Buttons	
Data Port	RS232, USB(A),USB(B)	
Light Source	Tungsten Halogen Lamp	Tungsten Halogen/Deuterium Lamp
Power Requirements	110-220V, 50-60Hz	
Humidity Range	Less than 85%	
Shipping Dimensions and Weight	750*630*410mm, 21kg	