

E-3000

SPECTROPHOTOMETER

Introduction

- Adopt microcomputer technology and electronic control system.
- Equipped with high performance optical components and high precision 24 digit AD chip, which can realize low noise, high stability and high performance on economic models.



Main Features

- High resolution(1024*768) 7 inch touch screen with friendly UI and easily to be operated.
- High-efficiency holographic grating of 1200 lines/mm with C-T monochromator.
- Standard USB port for data transfer with EXCEL format. Local memory can save up to 2000 data or 95 curves.
- Optional Bluetooth module for printer connection.
- Optional PC software with extended functions of scanning, multi-wavelength test, kinetics measurement and DNA/Protein test(via fixed formula).
- Optional accessories: automatic 8 position 1cm cell holder or 5 position 5cm long path cell holder, manual 4 position 5cm or 10cm cell holder, tube rack or film holder.

Specifications

MODEL	E-3000V	E-3000UV
Display	7-inch touch screen	
Wavelength Range	320 - 1100nm	190 - 1100nm
Spectral Bandwidth	2nm	
Wavelength Accuracy	±0.3nm	
Wavelength Repeatability	≤0.2nm	
Photometric Range	0-200%T, -0.3 - 3A, 0-9999C(9999F)	
Photometric Accuracy	±0.5%T, 0.004Abs(0-0.5A), 0.008Abs(0.5-1A)	
Photometric Repeatability	±0.5%T, 0.004Abs(0-0.5A), 0.008Abs(0.5-1A)	
Stray Light	≤0.15%T@360	
Stability	0.002A@(500nm, 3min)	
Noise	≤0.15%T	
Wavelength Setting	Automatic	
Communication	USB(A) for data transfer, USB(B) PC software and Bluetooth	
Light Source	Tungsten Lamp	Tungsten/Deuterium Lamp
Functions	Photometry and quantitative measurements. Extended functions of scanning, Kinetics, multiwavelength, DNA/Protein tests with optional PC software	
Power Requirements	220V/50-60HZ, 110V/60HZ	