EU-2800D / EU-2800DA / EU-2800DS

DOUBLE BEAM SPECTROPHOTOMETER

EU-2800D/EU-2800DA/EU-2800DS spectrophotometer are advanced double beam optical system. Double beam optical structure can inhibit the drift, Suitable for long time test. EU-2800D with 1.8nm fixed bandwidth, EU-2800DA with 1.0nm fixed bandwidth, EU-2800DS with optional bandwidth. They are suitable for research, biochemical and pharmaceutical lab applications.

※ Features

Double beam ensure low drift, low noise and Low stray light
High speed MCU, high precision AD, large storage capacity
Large LCD display (320*240 Dots)
1.0nm or variable Bandwidth meet Pharmacopoeia
Data and Curve can be stored in real-time
Online software upgrade capability
Lamps can be turned on/off individually
Easy to change Pri-aligned lamps
Reinforced baseboard and bracket assures durability

※ Functions

Photometric: T%, Abs
Quantitative: Standard Curve
WL Scan (Spectrum Scan)
Time Scan (Kinetics)
DNA/Protein Test
Multi-WL Test
System Utility

※ Specifications

Model	EU-2800D	EU-2800DA	EU-2800DS
Wavelength Range	190~1100nm		
Spectral Bandwidth	1.8nm	1.0nm	0.5/1/2/4/5nm Variable
Optical System	Double Beam, Blazed Holographic Grating (1200 lines/mm)		
Wavelength Accuracy	±0.3nm		
Wavelength Repeatability	≤0.2nm		
Wavelength Setting	Auto, Resolution 0.1nm		
Photometric Range	0~200%T, -0.3~3A, 0~9999C		
Photometric Accuracy	±0.002A (0~0.5A), ±0.003A (0. 5~1A), ±0.3%T (0~100%T)		
Photometric Repeatability	≤0.001A (0~0.5A), ≤0.002A (0. 5~1A), ≤0.2%T (0~100%T)		
Stray Light	≤0.05%T(220/360nm)		
Scan Speed	High, Medium, Low. Max. 3000nm/minute		
Baseline Flatness	±0.001A		
Stability	±0.001A/h (500nm,0A)		
Noise	≤0.2%T/3min (250/500nm,0%T); ≤0.3%T/3min (250/500nm,100%T)		
Sample Compartment	Accommodate 5-100mm Pathlength Cuvette		
Detector	Silicon Photodiode		
Lamps	Tungsten Lamp & Deuterium Lamp (Pre-aligned)		
Display	Graphic LCD (320x240 Dots)		
Keypad	30-key Alphanumeric Membrance Keypad		
Output Port	USB Port & RS232 Port		
Printer	Mini Serial Printer; PC Printer		
PC Software	PC Scanning Software		
Power Requirement	AC90-250V, 50/60Hz		
Dimensions(WxDxH)	545x468x245mm	635x515x255mm	635x515x255mm
Weight	20kg	26kg	28kg