



SOLAR 800

Double Beam
Spectrophotometer



LABORATORY



Description

SOLAR 800 It is a stand-alone model with 1.8nm fixed bandwidth and has all the features that Special request line offers in a stand-alone unit. Variable slits (0.5nm, 1nm, 2nm, 4, 5nm). The two detectors are measuring both the test sample cell and reference sample cell simultaneously for optimizing measurement accuracy and stability. It provides excellent performance for measurements in the range of 190nm to 1100nm. It is suitable for pharmaceutical, biochemical and clinical lab applications as well as routine applications such as quantitative analyses, kinetics, spectrum scanning, multiple components and DNA/Protein. Optional PC download software and PC Windows application software make this instrument versatile.

Features

Wavelength Range	190-1100nm
Slit Width	0.5, 1, 2, 4,5nm
Optical System	Double Beam, Grating System 1200 lines/mm
Wavelength Accuracy	±0.3nm
Wavelength Resolution	±0.1nm
Wavelength Repeatability	±0.2nm
Photometric Range	0%T to 200%T, -0.3 to 3A,0 to 9999 Conc
Photometric Accuracy	±0.3%T
Photometric Repeatability	Better than 0.2%T
Stray Light	Less than 0.10%T
Baseline Flatness	±0.001A
Stability	0.001 A/h @ 500 nm
Scanning Speed	High, Medium, Low Maximum 1000 nm/minute
Light Source	Halogen, Deuterium (pre-aligned)
Display	Graphic LCD (320×240)dots
Keyboard Control	29 Membrane keypad
Data Output	USB and RS232C, Parallel printer port
Sample Compartment	Accommodates 100mm path length cuvet with optional holder
Printer	Mini parallel printer optional
Power Requirements	110-120V/60Hz Switchable 220V-240V/50Hz
Instrument Dimensions	24.5"W×15.7"D×11"H 620mm×400mm×280mm
Instrument Weight	53lbs (24 kg)
Warranty	One Year



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