



# AE-S90 Series

## UV VIS Spectrophotometer



### Key Features

- ⊙ Double beam spectrophotometer with highly stable optics.
- ⊙ Extremely versatile with full functionality from 190 to 1100nm.
- ⊙ Variable spectral bandwidth 0.5, 1, 2, 4,5nm.
- ⊙ 2 or 8 cell holder available.
- ⊙ 6 inches LCD display & integrated user interface
- ⊙ USB port for data storage.
- ⊙ ISO/CE Certificate passed.
- ⊙ A & E Lab PC software included as standard.
- ⊙ Extensive range of accessories available.

### Applications

**AE-S90 Series** are wide screen double beam spectrophotometer. Its integrated design assures long term stability and durability. The highly stable optics and two detectors measure the sample and reference simultaneously optimising measurement accuracy. It has measurement modes for photometrics, concentration, multi-wavelength, spectrum scanning, kinetics, quantitation, DNA and protein analysis. The PC software is supplied as standard and offers additional functionality with preloaded methods for DNA and protein analysis, as well as extensive post-measurement tools, unlimited results saving and easy export of data.

The precisely aligned detector and quality deuterium and halogen lamps enhance the precision across the uv/vis spectrum starting from 190nm and into the near-infrared 1100nm. It is ideal for quality control, general research, pharmaceutical, biochemical and clinical laboratory applications.

### Ordering Information

Order Code	Description
AE-S90-MD	Large screen, double beam, 2 single cell holder, Bandwidth: 0.5/1.0/2.0/4.0/5.0nm, with PC software.
AE-S90-1D	Large screen, double beam, 2 single cell holder, Bandwidth: 1nm, with PC software.
AE-S90-2D	Large screen, double beam, 2 single cell holder, Bandwidth: 1.8nm, with PC software.

### Technical Specifications

Wavelength		Photometric	
Wavelength Range	190-1100nm	Accuracy	±0.3%T
Wavelength Accuracy	±0.3nm	Photometric Repeatability	0.2%T
Wavelength Repeatability	0.2nm	Photometric Display Range	-0.3-3A,0-200%T,0-9999C
Bandwidth	1nm/1.8nm/0.5,1,2,4,5nm	Stability	± 0.001A/h @ 500nm
Others		Baseline Flatness	±0.001A
Data Output Port	USB	Noise	±0.001A
Printer Port	Parallel Port	Stray Light	≤0.05%T @220nm, 360nm
Optical System	Double Beam (1200 lines/mm grating)		
Display	LCD ( 320x240 Dots )		
Lamps	Deuterium & Tungsten Halogen Lamp		
Detector	Silicon Photodiode		
Software	UV PC Software		
Power Supply	AC 220V/50Hz, 110V/60Hz.		
Packing Size & Weight	860x660x465mm & 35kg		