



Alpha-1860 and Alpha-1860S UV/Visible spectrophotometer

Features:

- With embedded computer and optimized optical system, convenient and easy to use
- 320 × 240 dots array large screen graphic LCD display with abundant instructions, and curve and table directly displayed on screen
- Basic photometric mode、 Quantitative analysis、 Qualitative analysis、 Kinetics test、 DNA/Protein Test and Multi-wavelength are available

- Alternative fitting and correction methods for Quantitative analysis
- Re-scaling axes 、 curve smoothing,combination,zooming and overlap 、 1st to 4st derivative for Qualitative analysis
- Enzyme reaction rate calculation for Kinetics
- Data output by optional built-in thermal printer or USB2.0 printer driver;
- Up to 1000 test data can be saved in local memory
- Windows-based PC application software provides more features (Optional)

Specifications:		
Models	Alpha-1860	Alpha-1860S
Wavelength Range	190 - 1100nm	
Spectral Bandwidth	2nm,1nm(Optional)	0.5nm,1nm,2nm,4nm,5nm Variable
Optical system	Littrow; Grating 1200 line/mm	Czerny-Turner,Single Beam or Split Beam; Grating 1200 line/mm
Wavelength Accuracy	±0.1 nm (656.1 nm D2) ,±0.3 nm (Whole wavelength range)	

Wavelength Repeatability	±0.2nm	
Wavelength Resolution	0.1nm	
Photometric Range	0.3 to 3A ; 0-200%T; -9999 to 9999C	
Photometric Accuracy	±0.002A@0.5A,±0.3%T(0~100%T)	
Photometric Repeatability	±0.001A@0.5A,±0.15%T(0~100%T)	
Stray Lght	≤ 0.05%T (220 nm, NaI; 340 nm, NaNO2)	
Baseline flatness	±0.002A	
Stability	0.001A/h (500nm, 0A, 2nm SBW, after 1 hours warmup)	
Photometric noise	±0.001A (500nm, 0A, 2nm SBW)	
Data Output	320×240 Dots Array Graphic LCD	
	Optional built-in thermal printer	Optional USB2.0 printer driver.
	USB1.1 Connecting to computer	
Size	570x 460x230 mm	660x 600x280 mm
Weight	16kg	28.5kg

