



DOUBLE BEAM UV-VISIBLE SPECTROPHOTOMETER

Double Beam UV-Vis Spectrophotometer



REF-1810UV-Q

REF-1810UV-R

REF-1810UV-S

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Main features:

- User Friendly Operation and Information Rich LCD Display and chemical resistant keyboard.
- Socket design for Tungsten and Deuterium Lamp, so there is no need for professional adjustment while replacing a new one. Therefore users no longer need to hire professionals to change or adjust lamps which greatly improve reliability and cuts down on the maintenance expenses. The D2 Lamp and W Lamp can be controlled individually to extend the lifetime. You can switch off D2 lamp when in visible range or switch off W lamp when in ultraviolet range.
- Suspension type optical system and long optical path design improve the resolution, stability and reliability.
- Built-in and Diverse Range of Measurement Modes. Photometry, Quantitative, Wavelength Scan, Kinetics, DNA/Protein Test, Multi-wavelength measurement and printing.
- Extensive accessories are optional, such as carousel type automatic auto 8-cell holder, film holder, pettier/sipper system, PC operating software, printer, etc.

Technical Specification:

Model:	REF-1810UV-Q	REF-1810UV-R	REF-1810UV-S
Optical System :	Double Beam, Czerny-Turner (1200L/mm Grating)		
Wavelength Range :	190-1100 nm		
Spectral Bandwidth :	1.8 nm	1 nm	0.5 / 1 / 2 / 4 / 5 nm
Wavelength Accuracy :	±0.1nm (Full range)		
Wavelength Repeatability :	≤ 0.1nm		
Photometric Accuracy :	0.3%T(0~100%T), ±0.003A(0-0.5A), ±0.005A(0.5-1A)		
Photometric Repeatability :	≤ 0.1%T (0-100%T), 0.002A(0-0.5A), 0.003A(0.5-1A)		
Photometric Range :	0-200%T, - 3A ~ 3A, 0-9999C (0-9999F)		
Stray Light :	≤ 0.05%T @220nm, 360nm		
Stability :	±0.001A/H @500 nm		
Baseline Flatness :	±0.002A		
Noise :	0.001Abs RMS@500nm		
Work Mode :	T, A, C		
Scanning Speed :	Max. 3000nm/min		
Wavelength Setting :	Set Automatic		
Display :	LCD Screen (Resolution 320*240 dot-matrix)		
Light Source :	D2- Deuterium Lams & Tungsten Halogen Lamp		
Detector :	Silicon Photodiode		
Cuvette Holder :	10mm 4-position cell holder		
Output :	USB drive, USB host, RS232		
Software:	Yes, Software for PC through Operation (Optional)		
Power Supply :	AC 220V/50Hz		
Product Dimensions :	650*450*350mm		
Product Weight :	Approx. 20kg		
Standard Accessories :	10mm glass cuvettex4, 10mm quartz cuvettex2, Power cord, User Manual		