



Features:

- Large LCD screen (128*64 Dots) with saving standard curve function
- Imported & Environmental Deuterium lamp, preventing from Ozone inhalation
- Adopted high-class grating with wholly hermetic light path design, to ensure the instrument has the super low stray light
- Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system
- Pre-aligned design ensures the user can change lamps conveniently
- Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- With SiO₂ coating optical mirror, reducing the pollution from outside fully
- Optional PC Software to expand the applications to Quantitative, Multi-Wavelength and Kinetics
- Widely used for Organic chemistry, Inorganic chemistry, Life sciences, foods, Medicine and health, Agriculture, Geology, Metallurgy and Environment etc. fields

Basic Functions:

1. Photometry (Basic)

Test Abs., Transmittance by fixed wavelength

2. Quantitative (Qty)

- C Mode: Establish $C=K \cdot A$ curve, test sample concentration
- F Mode: Establish $A=K_1 \cdot C + K_0$, test sample concentration
- Display and save curve, test data (V-1200).

Basic Mode

WL: 546.0			
T: 100.0			
A	T	C	F

Con. Test $C=K \cdot A + B$

WL: 546.0			
C: 10C			
A	T	C	F

Specifications

Model	UV-1000	V-1000	UV-1200	V-1200
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	200-1020nm	325-1000nm	200-1020nm	320-1020nm
Spectral Bandwidth	4nm			
Wavelength Accuracy	± 1.8nm		±1.0nm	
Wavelength Repeatability	≤ 0.5nm			
Photometric Accuracy	± 0.002A (0-0.5Abs), ± 0.004A (0.5-1.0Abs), ± 0.5% T (0-100% T)			
Photometric Repeatability	0.001Abs (0-0.5Abs), 0.002Abs (0.5-1.0Abs), ≤ 0.2% T (0-100% T)			
Stray Light	≤ 0.2 % T @ 360nm; 220nm (220nm for UV only)			
Stability	± 0.002A / h @ 500nm			
Noise	0.001A			
Display	128*64 Dots LCD			
Photometric Mode	T, A, C, E			
Photometric Range	0-200%T, -0.301-3.0A			
Detector	Silicon Photodiode			
Light Source	Deuterium Lamp, Tungsten Lamp			
Input	Membrane Keypad			
Output	USB-A, USB-B			
Compartment	Optional Solid Sample Holder, Micro Cell Holder, 10-100mm Cell Holder			