Features:

- Large LCD screen(480*272 Dots) with 65 thousand true color and support U disk data saving
- Imported & Environmental Deuterium lamp, preventing from Ozone inhalation
- Data output: Data can be exported to U disk (USB Output)
- Print port: Instrument can connect PCL printer for printing A4 paper (USB Port)
- Adopted high-class grating with wholly hermetic light path design, to ensure the instrument has the super low stray light
- Upgrade package can be downloaded from AOE web with S/N, support U disk one-key upgrade
- Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system
- Pre-aligned design ensures the user can change lamps conveniently
- With GLP self-check function, check the wavelength accuracy and Photometry accuracy, can provide test report and power-off protection
- Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- With SiO_2 coating optical mirror, reducing the pollution from outside fully

Basic Functions:

1. Photometry (Basic)
   Test Abs., Transmittance and Energy by fixed wavelength
2. Quantitative (Qty)
   Linear fit and Linear fit through zero two modes
   a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve
   b. Establish A=K1*C+K0, can search original data, graph curve, parameters settings
   c. Can save 240 group curves, can test 240 data in each curve
   d. Double wavelength, Triple wavelength test functions.
3. Kinetics (Kins)
   Used for time course scanning or reaction rate calculations △A/t, can search all data
4. Multi-Wavelength (MultWL)
   Can test Transmittance and Abs. with 8 different wavelengths at most
5. Spectrum (Spec)
   User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
6. BIO (DNA/Protein) Optional:

Specifications

Model	FUV-1900 FUV-1900PC	FV-1900 FV-1900PC
Optical System	Single Beam, Grating 1200 lines/mm	
Wavelength Range	190-1100nm	320-1100nm
Spectral Bandwidth	2nm	
Wavelength Accuracy	±0.5nm	
Wavelength Repeatability	≤ 0.2nm	
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	≤ 0.04 % T @ 360nm; 220nm	≤ 0.04 % T @ 360nm
Stability	± 0.001A / h @ 500nm	
Baseline Flatness	± 0.002A	
Noise	0.0005Abs @ 500nm	
Display	65 thousand ture color TFT LCD (480*272)	
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* 2 Print and data output USB-B Connect PC	
Compartment	Optional 8 Auto Cell holder, Solid Sample Holder, Micro Cell Holder, 10-100mm Cell	