

FUV/FV-1600

FUV/FV1800 UV/Vis Spectrophotometer

Feature

- LCD display and support U disk data saving. (USB output).
- Long life and environmental deuterium lamp and tungsten lamp.
- Connect printer for printing.
- High performance grating with High - precision optical system design.
- Pre-aligned design ensures the user can change lamps conveniently.
- With GLP self-check function.
- With SiO₂ 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 curved.

d. Double wavelength, Triple wavelength test functions.

3, Kinetics (Kins)

Used for time course scanning or reaction rate calculations $\Delta A/t$, can search all data.

4, Multi-Wavelength (MultiWL)

Can test Transmittance and Abs. with 8 different wavelengths at most

Technical Parameters

Model	FUV-1800	FUV-1600	FV-1800	FV-1600
	FUV-1800PC	FUV-1600PC	FV-1800PC	FV-1600PC
Optical System	Single Beam,Grating 1200 lines/mm			
Wavelength Range	190-1100nm		320-1100nm	
Spectral Bandwidth	2nm	4nm	2nm	4nm
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	0.0005A			
Display	65 thousand true 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*2Print and data output USB-B Connect PC			
Compartment	Optional 8 Auto Cell Holder,Solid Sample Holder,Micro Cell Holder,10-100mm Cell Holder			