

F96/F96 Pro Fluorescent Spectrophotometer

The measuring sensitivity of fluorescent spectrophotometry is 2-3 order higher than that of UV VIS spectrophotometry. It can offer the information of excitation & emission spectrum, light emitting intensity & life, quantum yield rate, fluorescence polarization etc. and a wide linear range of operating curve, so that it has become an important means involved in trace analysis.

Feature:

- * Whole aluminum metal alloy die-castings.
- * The emission monochromator adopts 1200 line diffraction grating, its large aperture and non-spherical reflecting mirrors produces extra high sensitivity.
- * High stable and long life Xenon lamp and it's power ensure high stable testing and wide range of spectrum.
- * High performance photomultiplier to gain best signal-noise ratio.
- * Built in SCM technology, auto 0% and auto background subtraction.
- * 0-7 stage gain adjustment.
- * Real time fluorescence reading and concentration printout.
- * Single-point sample concentration direct reading ability.
- * Provide 2 working modes: main unit test mode and software test mode.
- * Quantitative and qualitative software with PC, full automation, three regular function, kinetics measurement, quantitative measurement and spectrum scan.



F96Pro Fluorescent Spectrophotometer

F96 Pro spectrophotometer Spec:

Light source	150W Xenon lamp (consumable part)
Excitation filter	Filter character: $\pm 5\text{nm}$ labeled
	(An interference filter with center wavelength 365nm used as standard configuration. Users may separately purchase other dia.25mm interference filters with center wavelength within 200-850nm range.)
Emission monochromator	Emission monochromator wavelength range: (Em) 200-900nm
	Wavelength accuracy within $\pm 1\text{nm}$
	Wavelength repetition $\leq 0.5\text{nm}$
S?N ratio	Emission spectrum bandwidth: 10nm
	S/N ≥ 150 (Using 1cm quartz sample cell, measure the signal noise ratio of Raman spectrum of water)
Check utmost	1x10-10 g/ml sulfuric acid quinine solution
Measure linearity	>0.995
Peak value	<1.5%
Zero line drift	<0.3% (Within 10 minutes)
Upper limit change of indicating value	$\pm 1.5\%$ (Within 10 minutes)
Power requirement	220V $\pm 22\text{V}$ 110V/60HZ
Dimensions	442x392x250 (mm)
Net weight	11kg
Gross weight	13kg

F96 Pro Standard Package

Main instrument	1 set
365nm filter(Preassembled)	1 pc
F96PRO software package	1 set
Power cable	1 pc
USB wire	1 pc
Instruction manual	1 copy
Product quality certificate	1 copy
Fuse (2A)	2 pcs
Fuse (5A)	2 pcs
Quartz fluorescence sample cell10mm	1 pair
Packing list	1 copy

Optional Spare Parts and Accessories

1. Fuses (2A/5A)
2. 200-850nm interference optical filter($\phi 25\text{mm}$)
3. Quartz fluorescence sample cell10mm
4. Personal computer
5. Printer cable
6. Dedicated serial interface printer