

Fluorescence Spectrophotometer

Applications:

Fluorescence analysis can provide information including excitation and emission spectrum, emission light intensity and measurement of life of emission light and polarization fluorescence etc and a wide lineal range of working curve. This method has been used in: Medical science and clinical ,Pharmaceutical science and pharmacology,Biochemistry ,Food industry, Pollution and Organic and inorganic chemistry.



Features for BK-F96PRO:

- * Two operation modes fluorescence intensity and luminous intensity.
- * 365nm exciting wavelength, Raman peak of water S/N ≥150.
- * 10 stages emission spectrum scanning.
- * Support off-line mode and on-line mode.

Features for BK-F93 :

- * 1200 line diffraction grating emission monochromator.
- * LED is a cold-light source with longevity, lower background & reliability, prevent from thermo-pollution.
- * Automatic zero adjustment and automatic background subtraction.
- * Eight stage sensitivity adjustment, Real time fluorescence value display and concentration print out, Extra wide dynamic range of fluorescence value ensures accurate measurement of minute changes in micro samples.

Technical Parameters:

Model	BK-F96PRO	BK-F93
Light Source	Hamamatsu 150W Xenon lamp	4 digits LED
Excitation Filter	Interference optical filter a) Standard set is equipped with an interference optical filter of central wavelength at 365nm and 10nm bandwidth b) An optional interference optical filter of 25nm diameter of fixed wavelength select from range 250–700nm can be provided on users demand	LED options a) Standard set includes LED at wavelength 365nm b) The A set includes LED wavelength at 365nm, 376nm, 392nm, 405nm c) Customizable wavelength from 360nm to 600nm
Emission Monochromator	C-T diffraction grating (Em 200–900nm, bandwidth 10nm)	360–650nm (C-T diffraction grating)
Wavelength Accuracy	±1nm	±2nm
Wavelength Repeatability	±0.5nm	±1nm
Sensitivity	Raman peak of water in 1cm quartz fluorescence cuvette with S/N≥150	1*10 ⁻⁶ g/ml (Standard aqua of the sulfuric acid quinine, 12nm bandwidth)
Linear Measurement(r)	≥0.995	≥0.995
Stability	better than 1.5%/10min	better than 3%/10min
Response Time	(0.1–4)s, 6 stages adjustable	(0.1–4)s
Fluorescence Display Value	0.00–600.00	0.00–250.00
Standard Accessories	365nm filter(Preassembled), 1 pc F96PRO software package, 1 pc USB interface, 1 pc Quartz fluorescence sample cell10mm, 1 pair	RS232 serial port, Glass fluorescence cuvette 10mm 1 pair
Optional Accessories	Fuses(2A/5A), 200–700nm interference optical filter (φ25mm) Quartz fluorescence sample cell10mm, Multi-function fluorescent sample rack holder, Membrane sample rack, Powder sample rack, Sample cell jacket, Octave Filters 200uL microcentrifuge tube accessory Upconversion fluorescent accessory	Data processing software package (pack, for PC) Fuses(2A) Quartz fluorescence cuvette10mm Optional LED A Set includes: 365nm, 376nm, 392nm, 405nm
Power Supply	AC 110/220V, 50/60Hz	
Package Size(W*D*H)	550*540*380mm	450*420*310mm
Gross Weight	13kg	9kg