

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.



BK-F93

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 | LED options |
| | a) Standard set is equipped with an | a) Standard set includes LED at wavelength |
| | interference optical filter of | 365nm |
| | central wavelength at 365nm and 10nm | b) The A set includes LED wavelength at |
| | bandwidth | 365nm, 376nm, 392nm, 405nm |
| | b) An optional interference optical filter of 25mm | c) Customizable wavelength from 360nm |
| | diameter of fixed wavelength select from range | to 600nm |
| | 250-700nm can be provided on users demand | |
| Emission Monochromator | C-T diffraction grating (Em 200~900nm, | 360~650nm (C-T diffraction grating) |
| | bandwidth 10nm) | 70 |
| Wavelength Accuracy | ±1nm | ±2nm |
| Wavelength Repeatability | ≤0.5nm | ≤1nm |
| Sensitivity | Raman peak of water in 1 cm quartz | 1*10-9g/ml (Standard aqua of the sulfuric |
| | fluorescence cuvette with S/N≥150 | acid Quinine, 12nm bandwidth) |
| Linear Measurement(r) | ≥0.995 | hase com |
| 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 | RS232 serial port, Glass fluorescence |
| | | |
| | USB interface, 1 pc | cuvette 10mm 1 pair |
| | USB interface, 1 pc Quartz fluorescence sample cell10mm, 1 pair | cuvette 10mm 1 pair |
| Optional Accessories | | Data processing software package (pack, for PC) Fuses(2A) Quartz fluorescence cuvette10mm Optional LED A Set includes: 365nm, 376nm, 392nm, 405nm |
| Optional Accessories Power Supply | Quartz fluorescence sample cell10mm, 1 pair 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 | Data processing software package (pack, for PC) Fuses(2A) Quartz fluorescence cuvette10mm Optional LED A Set includes: 365nm. |
| | Quartz fluorescence sample cell10mm, 1 pair 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. |

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