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ANALYTICAL EXCELLENCE...

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Fluorescence Spectrophotometer

Fluorescence analysis can provide information including emission spectrum, emission light intensity and measurement of life of emission light and polarization fluorescence etc. as well as a wide lineal range of working curve. This instrument has been used in medical, pharmaceutical and clinical science, pharmacology, biochemistry, food industry, pollution and organic and inorganic industries etc.

FEATURES: MA-96PRO

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

FEATURES: MA-F93

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

MA-F96PRO

MA-F93

MA-F96PRO-03

MODEL SPECIFICATIONS:

Model	MA-F96PRO	MA-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 25mm diameter of wavelength of 250-700nm can be provided	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	$1*10^{-9}$g/ml (Standard aqua of the sulfuric acid Quinine, 12nm bandwidth)
Linear Measurement (r)	≥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 (pre-assembled); 1 pc F96PRO software package, 1 pc USB interface, 1 pc Quartz fluorescence sample cell 10mm	RS232 serial port, 1 pair glass fluorescence cuvette 10mm
Optional Accessories	Fuses (2A/5A), 200～700nm interference optical filter (φ 25mm), Quartz fluorescence sample cell 10mm, Multi-function fluorescent sample rack holder, Membrane sample rack, Powder sample rack, Sample cell jacket, Octave filters 200µl microcentrifuge tube accessory, Up conversion fluorescent accessory	Date processing software package (pack, for PC) Fuses (2A), Quartz fluorescence cuvette 10mm, Optional LED A Set includes 365nm, 376nm, 392nm, 405nm
Power Supply	AC110/220V±10%, 60/50Hz	
Package Size (W*D*H*) mm	535*500*380	450*420*280
Gross Weight (kg)	14	9