

FLUORESCENCE SPECTROPHOTOMETER MODEL QUO NEO

Fluorescence analysis is a highly selective and sensitive sophisticated analytical method. This method can provide information including excitation and emission spectrum, emission light intensity and polarization fluorescence. BioEra's fluorescence spectroscopy model Quo New is variable wavelength adjustable fluorescence spectrophotometer, with a standard excitation wavelength (EX) of 365 nm, an emission wavelength (EM) range of 300 -700 nm and a spectral bandwidth of 12 nm. The machine comes with 7-inch color touch screen for easy programming and visualization



CAT. NO.: BE/CI/SP/FSQ-01/2

FEATURES

- Provision of intelligent pre-scanning feature assists in rapid detection of unknown sample's spectrum
- 365 nm exciting wavelength Raman peak of water in 1cm quartz fluorescence cuvette S/N \geq 150
- High performance sensitivity makes analysis possible for even sample's having lower detection limit
- Feasibility of Offline and Online support. Under offline mode, instrument's computer system offers the fluorescence intensity measurement, concentration direct reading, auto 0 adjustment, auto background subtraction etc. Under on-line mode, use of quality and quantity software can be done to for data acquisition and analysis through USB 2.0 interface.
- Highly efficient 150W Xenon Lamp
- Total spectrum scanning could be completed in just 1 second
- The emission monochromator adopts a 1200 g/mm grating
- Realtime display of fluorescence and concentration values
- Multi-point linear regression can be performed at any time with the universal data processing software package
- Compact Design with Attractive Look made up of engineering plastic
- 7 inch crystal clear touch screen display
- Easy Access to Software and compatible with all latest operating system

TECHNICAL SPECIFICATION

PARAMETER	SPECIFICATIONS
Cat. No.	BE/CI/SP/FSQ-01/2
Sensitivity	S/N \geq 150 (Raman peak pf water in 1cm quartz fluorescence cuvette)
Response Time	(0.1 – 4) S – 6 Levels Adjustment
Fluorescence Display Range	0.00 – 600.00
Bandwidth	Emission: 10mm; Excitation: 10mm
Excitation Wavelength	365 nm, Optional (250-700) nm
Emission Wavelength	(200-900) nm
Wavelength Accuracy	\pm 1 nm (Emission Monochromator)
Wavelength Reproducibility	\leq 0.5 nm
Scanning Speed (Level 1 – 10 Adjustable)	Highest Speed at 30000 nm/min, Fine Speed at 15 nm/min
Scanning Time (Adjustable)	Highest at 60000 sec
Gain	Level 1-17 Adjustable
Lamp	150W Xenon Lamp
Exciting Optical Filters	Precision Narrowband Ultra-Low Background Interference Optical Filters
Emission Monochromator	C-T Diffraction Grating (Em 200 – 900nm, Bandwidth 10 nm)
Ignition Dynamic Baseline Drift	\leq 0.006 A / 30 min
Interface (Software)	USB 2.0
Power	110/220V; 50-60 Hz; 190W
Dimensions (W x D x H) mm	380 X 440 X 310 mm
Weight	13 Kg