



SPECTRO-96

Display Mode	4 digits LED
Dimension	L550×W510×H365mm
Weight (Kg)	11(N) 13(G)kgs

Applications & Features:

Fluorescence analysis is a high sensitive and high selective sophisticated analytical method. This method can provide information including excitation and emission spectrum, emission light intensity and measurement of life of emission light & polarization fluorescence etc. This method can provide a wide lineal range of working curve. It has becoming an important analytical method in the region of trace analysis. This method has been used in:

- Medical science and clinical analysis Clinical analysis of biological specimen
- Pharmaceutical science and pharmacology Analysis of natural pharmaceutical products; Quality control of pharmaceuticals and research of pharmaceutical metabolites
- Biochemistry Analysis of minute quantity of substances in biological body
- Food industry Analysis of minute quantity of constituents in food
- Pollution analysis Atmospheric pollution, environmental testing and food contamination analysis
- Organic and inorganic chemistry Used in the trace analysis in case of those substances cannot be determined by absorption spectrophotometry.

Optional Spare Parts and Accessories:

- Fuses (2A/5A)
- 200~700nm interference optical filter (φ25mm)
- Quartz fluorescence sample cell 10mm
- Personal computer
- Printer cable
- Dedicated serial interface printer
- See more details in Page 24 of Spectro 96 Instruction Manual.

Standard Package:

Main instrument	1 set
365nm filter (Preassembled)	1 pc
Spectro 96 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 cell 10mm	1 pair
Packing list	1 copy

SPECTRO-96, Spectrofluorimeter

Features:

- Two operation modes could be chosen: fluorescence intensity and luminous intensity. Fluorescence scanning, kinetic determination and quantity analysis could be done under fluorescence intensity mode
- 365nm exciting wavelength Raman peak of water in 1 cm quartz fluorescence cuvette S/N≥150 High performance sensitivity simplifies the measurement of low detective sample
- 10 stages gain adjustment could be chosen for emission spectrum scanning, including high speed low S/N scanning and precise scanning. Total spectrum scanning could be done in 1 second. With the intelligent pre scanning feature, unknown sample's spectrum information could be detected rapidly. Auto-omission of the influence of scattering peak and harmonic peaks, it ensure the best measurement parameters and locate the fluorescence emission peak
- Support off-line mode and on-line mode. Under off-line mode, instrument's computer system offer the fluorescence intensity measurement, concentration direct reading, auto 0 adjustment, auto background subtraction and etc. Under on-line mode, we could use quality and quantity software to control data acquisition and analysis through USB2.0 interface
- High stable and long life 150W xenon lamp and power source ensure high stable testing and wide range of spectrum
- The normalized feature for fluorescence value could make different fluorescence's result comparable
- Provide optional PC qualitative and quantitative software package with expansible time scanning, wavelength scanning, graphic calculation and storage-access abilities
- Optional accessories for different measurement, including single hole cell holder, fluorescence sample holder for different features, 200µl micro scale centrifuge tube, micro scale capillary sample holder, semi-auto sample introduction accessories, membrane sample accessories, powder sample accessories, jacket sample accessories and etc.

Model	SPECTRO-96
Light source	Hamamatsu 150W Xenon lamp
Exciting optical filters	Interference optical filter
Standard set	equipped with an interference optical filter of central wavelength at 365nm and 10nm bandwidth
optional interference optical filer	25mm diameter of wavelength of 250~700nm
Emission monochromatic	C-T diffraction grating (Em 200~900nm, bandwidth 10nm) Wavelength accuracy±1nm Wavelength repeatability ≤0.5nm
Sensitivity	Raman peak of water in 1 cm quartz fluorescence cuvette with S/N≥150
Linear measurement(r)	≥0.995
Stability	better than 1.5%/10min
Variation of power source	220V±22V 50Hz±1Hz
Response time: (0.1-4)s	(0.1-4)s 6 stages adjustable
Fluorescence display value	0.00-600.00
Data transmission	USB2.0