

# Fluorescence Spectrophotometer FS-2060

## Application:

FS-2060(CRT) fluorescence spectrophotometer is a new intelligent instrument, widely used in scientific research, chemical, pharmaceutical, biochemical, pharmaceutical, biochemical, environmental and clinical testing, food inspection, teaching experiments and other fields.

## Common characteristics:

Emission monochromator use 1200L/nm concave grating. Large aperture aspherical mirror, the sensitivity is particularly high. 1500W large power mercury lamps, strong excitation Uses light source monitoring technology, measuring results are stable. Photomultiplier tubes are high performance, has the best signal to noise ratio. With self-diagnostic function, reliable work. Spectral bandwidth 1 to 20 nm (continuously adjustable and computer controlled)

## FS-2060 CRT type of characteristics:

With Windows 95 computer workstation, less failure, good reliability. Workstation uses the English dialog window, easy to operate. Can comfortably perform the scanning determination, quantitative analysis, calculate, tabulate and record with the mouse.

## Accessories:

Light Source: 150W Xenon arc/pulse lamp  
Interference filters (mercury lamp light source) :254nm, 313nm, 436nm, 546nm  
Interference filters (deuterium light source) :250nm ~ 750nm  
arbitrarily select Power cord  
Rectangular quartz cell 10 mm<sub>2</sub>

## 960MC/CRT:

EM Wavelength range: 200nm ~ 900nm  
EX Wavelength range: 200nm ~ 800nm  
Photometric value range: -9999 to 9999 or better  
Detector: PMT with range of 200nm ~ 600 nm  
Measurement techniques: Fluorescence, phosphorescence, luminescence  
System: equipped with a cuvette system and have microplate reader  
Technology: precision machine technology for bright optic system  
Diffraction gratings: one for excitation side and one for fluorescent light side  
Working humidity: 45 to 80% (condensation not allowed, 70% or less at 35oC or higher)  
Wavelength accuracy: +1nm or better  
Wavelength repeatability: +0.5nm or better  
Resolution: + 1.5nm or better.  
Wavelength scan speed Up to 24000 nm/min or better  
Optics: Monochromator based  
Response: Response from 0 to 98% 0.004, 0.01, 0.05, 0.1, 0.5, 2, 4, 8, or better  
Sensitivity: S/N ratio 15000:1 or using Ramen Band of water  
Determination method: a. wavelength scanning b. time scanning c. Quantitative analysis  
Excitation and emission slits  
Minimum scan speeds can be selected in 1nm increments from 10-1200 nm/min  
Luminescence spectrometer for fluorescence and decay time measurements



## 960 CRT with computer:

Spectral precessing:

Continuous scan measurement: 1-4 first derivative spectra; calculating peak; peak retrieval; mapping operations; map window treatment; map store and recall; map printout.

Quantitative Analysis:

Sample holder: Solid (powder/palette/film) liquid sample holder for 10 mm cuvettes.

measurement of S/N and stability; automatic background subtraction; quantitative analysis, print out.

Software: Software have program for controlling the instrument & its accessories. Time scan measurement and Dataprocessing features such as quantitative analysis, cumulative data averaging, first to fourth order differentiation, statistic calculation, wavelength scan measurement, time based measurement such phosphorescence life time, Data export to Microsoft Excel etc

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- Servicing : We have team of service engineers who can attend to any make of instrument promptly @the most affordable cost.
- Trainings : We also take up preventive maintenance to reduce downtime of instrument's Trainings.
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