

YKFL 820 Fluorescent spectrometer



YKFL 820 The fluorescence spectrometer is a newly developed molecular fluorescence spectroscopy analysis instrument of our company, which can be used for qualitative and quantitative analysis. The instrument can test the excitation spectrum, emission spectrum, as well as the fluorescence intensity, quantum yield, fluorescence lifetime, fluorescence polarization and other parameters, providing a strong guarantee for the realization of efficient and accurate fluorescence analysis. In addition, the YKFL 820 fluorescence spectrometer is compatible with liquid, powder, film and other sample forms, which is easy to achieve qualitative and quantitative analysis in material research, drug analysis, biochemical and clinical testing, water quality monitoring, food safety testing and other fields.

Instrumentation features:

Can perform fluorescence intensity scanning at a specified time.

The wavelength scan has measurable repeat scans and will set a repeat period at 0180 minutes.

The emission wavelength is fixed, and the excitation monochromator is scanned in the set wavelength range.

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Synchronous scanning: input the emission and excitation wavelength simultaneously, and scan at the set wavelength range and sampling interval simultaneously.

The SNR can be calculated after the end of the time scan.

Quantification was performed using the wavelength method to plot the polygonal standard curve by each point of the standard concentration. The standard curve can be drawn by manually entering the known standard data.



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The measurement data and the standard curve can be displayed on the screen window, obtaining the standard curve can perform the sample measurement and calculate the concentration.

In the case of prepared standard curve, we can perform single wavelength, two wavelength and three wavelength calculation. The interval wavelength for the data acquisition can be set.

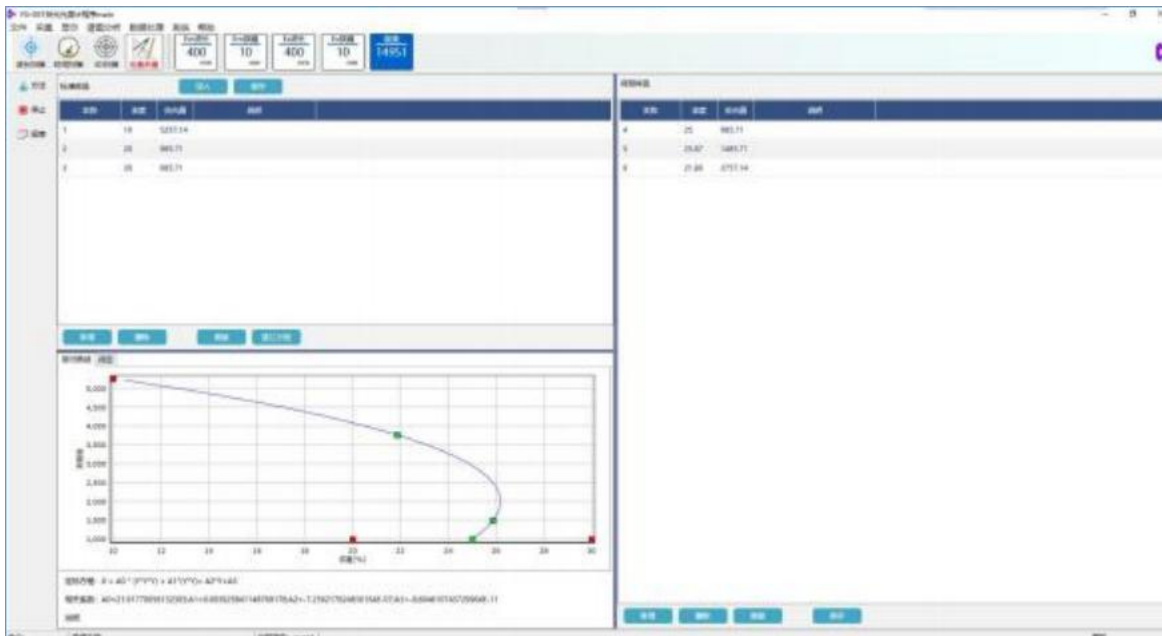
Three-dimensional map, excitation and emission can simultaneously display and track the wavelength and peak.

Print a plane view or a stereo attempt.

Specification parameters:

1. Light source: using imported xenon lamp, the average service life of up to 3000h;
2. Wavelength range: EX and EM: 200-900nm
3. Wavelength accuracy: ± 1 nm
4. wavelength repeatability: 0.5nm
5. Spectral Bandwidth: EX / EM: 1; 2.5; 5; 10; 20
6. Zero-line drift: 0.25%
7. Sensitivity (VPP): 300

Software





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