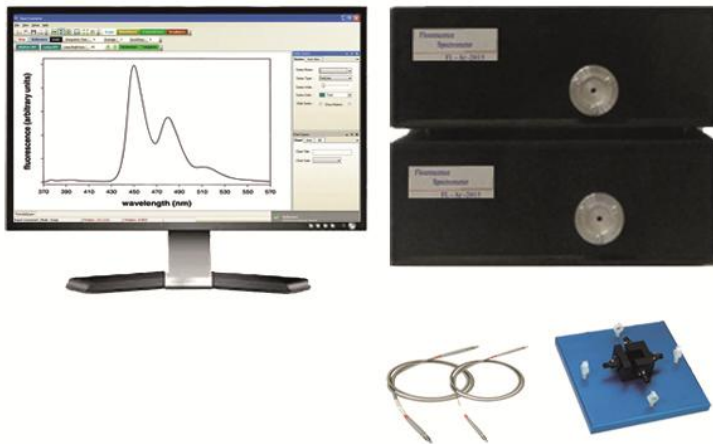




Laboratory Equipments  
Analytical Spectroscopy Systems

## Laser-Induced Fluorescence

## Spectrometer



Array Spectrometer  
Laser Light Source  
Fluorescence Cell  
Optical Fibers

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## Specifications of Laser-Induced Fluorescence Spectrometer

### Optical Specifications

Wavelength range	380-800 nm
Stray light	< 0.03 %
Resolution	< + 1.0nm
Signal to noise	800:1
Wavelength accuracy	< ± 0.1 nm
Wavelength reproducibility	< ± 0.02 nm for 10 consecutive scans ( NIST 2034)
Photometric accuracy	< ± 0.01 A at 590.0 635.0 nm (NIST 930e)
Photometric noise	<0.01 A 80 scan at 0 A, 500 nm
Photometric stability	<0.01 A/min at 0 A, 500 nm
Baseline flatness	<0.01 A 0.5 second blank, 0.5 second scan at 0 A , 500 nm
Scan time	2-1000 ms
Typical Scan Time	0.01 s
Light Source	Laser 405 , 532 nm
Detector	1000 Multichannel

### Physical Specifications

Communication	USB 2
Software	Windows XP , 7, 8
Dimensions ( Spectrometer )	13 × 22 × 28 cm
Dimensions ( Light Source )	8 × 22 × 28 cm
Weight	8 Kg
Power	220 V AC 50/60 Hz

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