



9001:2008



Laboratory Equipments  
Analytical Spectroscopy Systems

## UV-Vis Array Spectrophotometer



- Simultaneous obtained of all spectra
- Integration time controlling using software
- Mathematical processing ( Averaging, Sum, Smooth ...)
- Time Monitoring of spectra
- Standard wavelength calibration of spectrophotometer

## Specifications of Array Spectrophotometer

### Optical Specifications

Wavelength range	200-800 nm(190-1100nm)
Straylight	< 0.03%
Resolution	< + 1.0 nm
Wavelength Accuracy	< ± 0.1 nm
Wavelength Reproducibility	< ± 0.02 nm for 10 consecutive scans (NIST 2034)
Photometric Accuracy	< ± 0.01 A at 440.0 465.0 590.0 635.0 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	<0.01A 0.5 second blank, 0.5 second scan at 0 A, 500 nm
Scan time	2-1000 ms
Typical Scan Time	0.01s
Light Source	Deuterium + Halogen /Tungsten lamp
Detector	2000 Multichannel

### Physical Specifications

Communication	USB 2
Software	Windows XP , 7, 8
Height × width × depth	13 × 33 × 50 cm
Weight	10 kg
Power	220V AC 50/60 HZ

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