



Teifsanje
Pishro Pajohesh

Laboratory Equipments
Analytical Spectroscopy Systems



Plasma Monitoring

Spectronic Ar 2015p

- ✓ **Simultaneous obtained of all spectra**
- ✓ **Integration time controlling using software**
- ✓ **Mathematical processing (Averaging, Sum, Smooth . . .)**
- ✓ **Time Monitoring of spectra**

Specifications of Plasma Monitoring

Optical Specifications

Wavelength range	200-800 nm (190-1100)
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	< ± 0.05 A at 440.0 465.0 590.0 635.0 nm(NIST 930e)
Photometric noise	<0.05 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	2-2000 ms
Typical Scan Time	0.1 s
Detector	2000 Multichannel

Physical Specifications

Communication	USB 2
Software	Windows XP , 7, 8
Height × width × depth	22 × 12 × 27.5 cm
Weight	5 kg
Power	220V AC 50/60 HZ

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