



Laboratory Equipments
Analytical Spectroscopy Systems

Spectrocolorimeter



These color spaces include:

- RGB
- CIE XYZ
- CIE L*a*b*

Spectrometry - assisted color measurement can be useful in areas such as:

- Color & Paint industry
- Nano - Dye technologies
- Textile industry
- Lighting & Electronic industry
- Automobile components
- Plastic & Petrochemical Materials



Specifications of Spectrocolorimeter

Optical Specifications

Wavelength range	380-800 nm
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	Halogen / Tungsten Lamp
Detector	1000 Multichannel

Physical Specifications

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

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