

## Color Spectrometer Fiber Optic



- ❖ Array Spectrometer
- ❖ Light Source
- ❖ Reflectance Probe

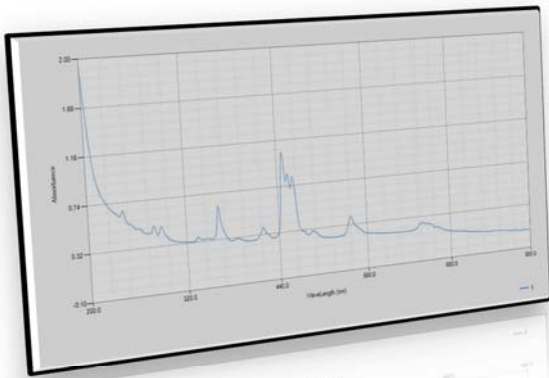
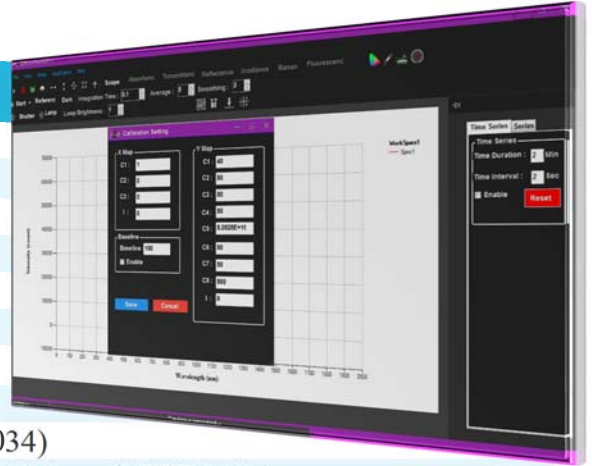
- Simultaneous obtained of all spectra
- Color Scale RGB CIE (Lab – XYZ – Lch)
- Time Monitoring of spectra
- Integration time controlling using software
- Mathematical processing (Averaging, Sum, Smooth ... )

# Color Spectrometer

## Specifications:

### Optical Specifications

Wavelength Range	380-800 nm
Resolution	< +1.0 nm
Scan Time	2-1000 ms
Typical Scan Time	0.1 s
Stray Light	< 0.03 %
Wavelength Accuracy	< ±0.1 nm
Photometric Stability	< 0.01 A/min at 0 A , 500 nm
Photometric Noise	< 0.01 A 80 scan at 0 A , 500 nm
Wavelength Reproducibility	< ±0.02 nm for 10 scans (NIST 2034)
Photometric Accuracy	< ± 0.01 A at 440.0 465.0 590.0 635.0 nm (NIST 930e)
Baseline Flatness	< 0.01 A 0.5 second blank, 0.5 second scan at 0 A , 500 nm
Light Source	Halogen / Tungsten lamp
Detector	1000 Multichannel



### Physical Specifications

Communication	USB2
Windows	7 , 8 , 10
Software	Spectroscopy Station
Weight	6 Kg
HxWxD	22x22x28 cm
Power	220V AC 50/60 Hz

## Applications:

