



ColorMate

Color Spectrophotometer



Available for any samples !
Superior Reproducibility !

Features

- Simple & Unique Design
- Switchable SCI/SCE mode control
- Observing mirror for stable sample loading process
- Color measurement of liquids and solids
- Haze measurement
- High Repeatability & High Accuracy
- Automatic recognition of sample port size
- UV control for fluorescence-activated sample
- Changeable position of the system (Vertical or Horizontal)

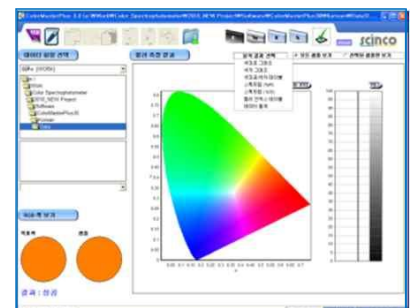
Applications

- Plastics / Film
- Paper
- Pharmaceutical / Food / Cosmetics
- Agriculture
- Fabrics / Texture / Fiber / Clothes
- Paint / Dye / Ink / Pigment
- Chemical
- Automobile

ColorMaster Software

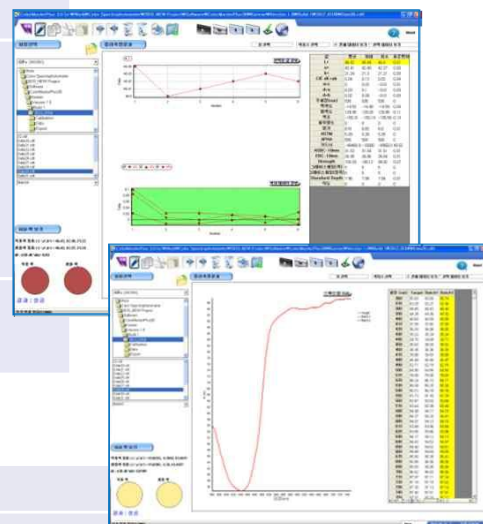
The Window based-on Software, ColorMaster features full control of the system, data acquisition & processing, post-run spectral analysis, system validation and diagnostics function.

- Various test available and Easy to check color difference
- Intuitive graphical user interface
- Customizable printing format
- Selected Color Indices : all traceable in a single window
- User-selectable parameters and tolerances
- Easily convertible between software operating languages
- User-friendly validation



Instrument Specifications

Observation System	d/8° (diffused illumination, 8-degree viewing)
Detector	256 Photodiode Array detector
Integrating SphereSize	6inch Optics
Dual Beam Wavelength Range	360 ~750 nm
Illumination	Pulsed Xenon Wavelength Interval
	5nm
Repeatability	Spectralreflectance: 0.1% (STDEV) Colorimetricvalues: 0.01 (ΔE^*ab)
Inter-Instrument Agreement	0.1 Avg.0.3 Max.
Photometric Range	0to 200% Reflectance
Photometric Resolution	0.001%
Reflectance Apertures	28, 11, 6 mm
Total Transmittance Aperture	25 mm
Dimensions	27.5 x28.5 x49.5 cm (10.8 x11.2 x19.5 inch)
Weight	15 kg(33 lb.)
Interface	RS-232, USBto RS-232 converter



Software Specifications

Illuminants	A, C,D50, D55,D65, F1~F12
Observer	CIE Standard Observers : 2° or 10 °
Various Color Indices	Whiteness, Yellowness, Brightness, ASTM, APHA, Gardner,Haze, etc
Color Scales	CIE L*a*b*, CIE L*u*v*, CIE XYZ, CIE Yxy,CIE UCS 1976, HunterLab
Statistical QualityAnalysis	Mean averageon eachdata field Standard deviation on eachdatafield Trend Plots Histogram withTolerances
Tolerances Setting for Pass/Fail function	User defined :Users can set thetolerance limits Automatic Setting:Automatically calculated using statisticalresult
Operating System	MS Windows XPor 7

Warranty

One year full warranty provided for the complete system

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