



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)

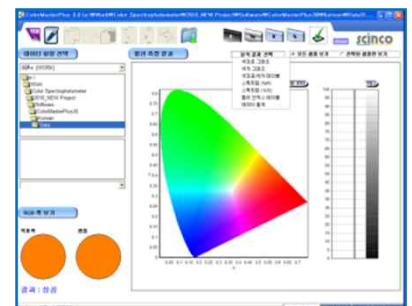
Applications

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

ColorMaster Software

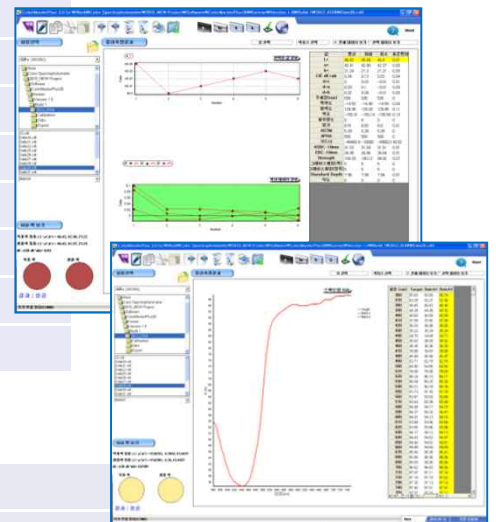
The Window based-on Software, ColorMaster features full control of the system, data acquisition & processing, post-run spectral analysis, system validation and diagnostics function.

- 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 Sphere Size	6 inch
Optics	Dual Beam
Wavelength Range	360 ~ 750 nm
Illumination	Pulsed Xenon
Wavelength Interval	5 nm
Repeatability	Spectral reflectance: 0.1% (STDEV)
	Colorimetric values: 0.01 (ΔE^*ab)
Inter-Instrument Agreement	0.1 Avg. 0.3 Max.
Photometric Range	0 to 200% Reflectance
Photometric Resolution	0.001%
Reflectance Apertures	28, 11, 6 mm
Total Transmittance Aperture	25 mm
Dimensions	27.5 x 28.5 x 49.5 cm (10.8 x 11.2 x 19.5 inch)
Weight	15 kg (33 lb.)
Interface	RS-232, USB to 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, Hunter Lab
Statistical Quality Analysis	Mean average on each data field Standard deviation on each data field Trend Plots Histogram with Tolerances
Tolerances Setting for Pass / Fail function	User defined : Users can set the tolerance limits
	Automatic Setting : Automatically calculated using statistical result
Operating System	MS Windows XP or 7

Warranty

One year full warranty provided for the complete system

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Website: www.scinco.com
E-mail: scinco@scinco.com

SCINCO
109-2, Samseong-dong, Gangnam-gu, Seoul, Korea, 135-090
Tel: +82-2-2143-8200 Fax: +82-2-2143-8355

R&D Center / Daejeon Office
63-8, Hwaam-dong, Yuseong-gu, Daejeon, Korea, 305-348
Tel: +82-42-610-7400 Fax: +82-42-610-7500