

Color Spectrophotometer

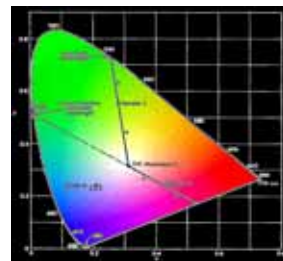
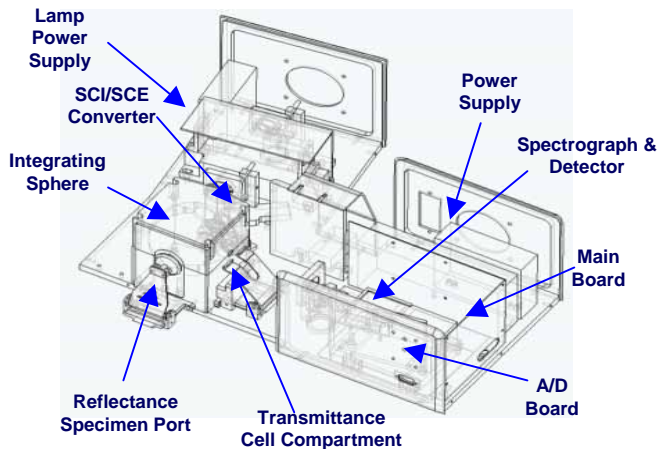
ColorMate

High Resolution Multi-Functional Spectrophotometer for Color Measurement

SCINCO's highly precise spectrophotometer - Colormate can measure, match and correct colors. Colormate which is ideal for most of color measurement can be applied to the various applications by using the versatile color indices conveniently. We offer you our Colormate in a variety of fields including paint, textiles, plastics, chemicals, coating, food and paper etc.



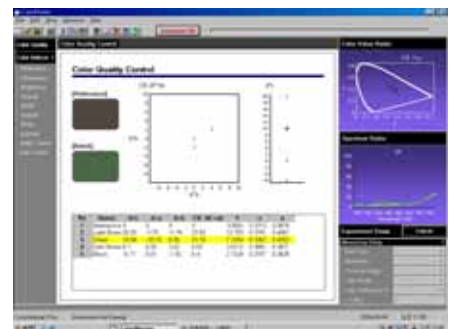
- Both Reflectance and Transmittance are available
- Automatic convert between SPI and SPE by software
- Easy control for UV cut-off filter
- High Resolution Detector (1024 Pixels PDA)
- Fast Scan Speed
- Wide Wavelength Range from UV to NIR
- Stable and Long Life Time with continuous Xenon Lamp
- High Reliability with Robust Hardware System
- RS-232 Communication
- High Accuracy, High Repeatability and Inter instrument agreement



The color quality control software in the best combination with Colormate

Colormaster Software can be easily operated under the MS Windows 98, ME, NT and 2000 environments and it allows you to obtain various types of result data users want.

- Various Test Available
- Easy to Check Color Difference
- User Defined Configuration
- Statistical Quality Analysis



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SCINCO provides state-of-the-art product for Spectrophotometer

SCINCO established in early 1990, developed the colorimeter based on the accumulated research works in producing spectroscopic instruments for years.

SCINCO has achieved ISO9001:2000 certification system requires strict controls on developing, producing, selling, and servicing of products. We are proud of helping our customers for the successful research and QA/QC works.

Specifications

§ Hardware Specifications

- Observation System : 8/D
- Spectral Separation Device
 - Diffraction Grating
- Wavelength Range
 - 270 ~ 1000nm
- Source : Continuous Xenon lamp
- Wavelength Pitch
 - 1nm Interval for Color Calculation
- Half Bandwidth : Approx. 5nm
- Measurement Time
 - About 0.8 sec/scan for Full Data Monitoring
- Measurement Area
 - LAV (1 inch), MAV(½ inch),SAV(¼ inch).
- Repeatability
 - Spectral Reflectance : within 0.1%(STD)
 - Colorimetric Values : within 0.01 (E*ab)
- Inter-Instrument Agreement
 - Mean 0.1 (E*ab) based on KRISS(Korea Research Institute of Standards and Science) Color 12 Tiles Compared to Values Measured with Master Body.
- UV Adjustment
 - Mechanical Adjustment By Software Control
- UV Cutoff Filter
 - 400, 420, 460 nm cutoff Selectable
- Interface : RS-232
- Power Supply : AC 100V/220V (50/60Hz)
- Dimensions(mm) : 500(W) X 400(D) X 180(H)

§ Software Specifications

- Illuminants : A, C, D50, D65, F1~F12 (total 16)
- Observer : CIE Standard Observers : 2 ° or 10 °
- Various Color Indices
- Whiteness, Yellowness, Blueness, Brightness, Opacity, ASTM, Saybolt, APHA, Gardner, ASBC-10, EBC-10, Haze
- Color/Color Difference Scales
 - CIE L*a*b*, CIE L*u*v*, CIE XYZ, CIE Yxy, CIE L*C*h*, Hunter LAB, FMCII, CMC(l:c), BFD(l:c), CIE94
- 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 input the tolerance limit
 - Automatic Setting : Automatically Calculated using statistical result

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All configurations and specifications are subject to change without Notice.



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