ColorMeter Max

CS-CM-MAX

Product Description

Colormeter SE/Pro/Max colorimeter is different from the traditional colorimeter. It is compact and can be put in the user's pocket, which is more convenient to carry; meanwhile, it adopts the D/8 structure of general spectrophotometer, which makes the measurement more accurate; the instrument can be connected wirelessly with Android or IOS devices, which can manage the color on the cell phone; it has the color number search function to find the color you want. It is widely used for color control in plastic, printing, packaging, textile, garment and other industries.

- ColorMeter Max can measure the material surface to get L*a*b, L*Ch, RGB Hex and other color values.
- Pass or fail judgment can be seen from instrument screen directly.
- The ColorMeter Max can measure whiteness index, yellowness index, color strength color fastness, opacity and other 20 kinds of parameters with 26 kinds of illuminants
- Color difference instrument with more accurate color measurement
- A more accurate color difference meter with a massive color card database
- Automatic calibration
- Single machine is available, and there are many measurements and data
- Cloud database, easier to view and upload

Standards

Reflectance, CIE-Lab, CIE-LCh, Hunter Lab, CIE-Luv, XYZ, Yxy, RGB, Color Difference (ΔE*ab, ΔE*cmc, ΔE*94, ΔE*00), Whiteness Index (ASTM E313-00, ASTM E313-73, CIE/ISO, AATCC, Hunter, Taube Berger Stensby), Yellowness Index,(ASTM D1925, ASTM E313-00, ASTM E313-73), Blackness Index(My,dM), Staining Fastness, Color Fastness, Tint(ASTM E313-00), Color Density CMYK(A,T,E,M), Metamerism Index Milm, Munsell, Opacity, Color Strength

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Technical Specification

Color difference instrument with more accurate color measurement

- International D / 8 (integrating sphere diffuse illumination, 8 ° observation angle) and SCI illumination observation conditions are adopted to make the measurement more accurate
- The use of spectral sensor can provide better spectral data than the traditional color difference instrument, which is comparable to the spectrophotometer
- The prompt of "pass" or "fail" can be directly seen on the screen of the instrument, so there is no worry about quality inspection

Portable massive color card database

- Connect mobile app, create color database, and input color card information such as printing, coating, textile, etc
- Without carrying a heavy color card, you can use the instrument to find the closest color in multiple sets of color cards anytime and anywhere

Automatic calibration

- When the instrument is turned on, it will be calibrated automatically at the same time. Pick up the instrument to carry out color detection, and the data is correct
- When the instrument works for a long time, the app will automatically pop up the calibration reminder, and the measurement will not be delayed
- It can also be combined with app for manual calibration and calibration interval setting

Single machine is available, and there are many measurements and data

- 1.14-inch IPS display screen gives you the color information you want
- The instrument can store data and open the app to synchronize data at any time

Cloud database, easier to view and upload

- Provide the official color card database, you can find it at will and use it at will
- The color information database created by the user can be uploaded to the cloud, multi device data sharing, and color processing is more convenient
- Enterprise users can create and manage their own color card information base and color formula in the cloud, and share the information base and color formula to merchants and users through a unique invitation code

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Main Technical Parameters

Illumination and Viewing System:	D/8, SCI (specular component included)		
Color Spaces and Indices:	Reflectance, CIE-Lab, CIE-LCh, Hunter Lab, CIE-Luv, XYZ, Yxy, RGB, Color Difference (Delta E*ab, delta E*cmc, Delta E*94, Delta E*00), Whiteness Index (ASTM E313-00, ASTM E313-73, CIE/ISO, AATCC, Hunter, Taube Berger Stensby), Yellowness Index(ASTM D1925, ASTM E313-00, ASTM E313-73), Blackness Index(My,dM), Staining Fastness, Color Fastness, Tint (ASTM E313-00), Color Density CMYK(A,T,E,M), Metamerism Index Milm, Munsell, Opacity, Color Strength		
Light Source:	LED (Full Wavelength Balanced LED Light Source)	**Test Aperture:**	8 mm
Wavelength Interval:	10 nm	**Wavelength Range:**	400-700nm
Repeatability:	ΔE ≤ 0.05 (when a white tile is measured 30 times at 5-second intervals after calibration)	**Measurement Time:**	1 s
Inter-instrument agreement	ΔE*00<0.4		
Observer:	2° and 10°	**Display Screen:**	IPS Full Color Screen (screen resolution 135*240,1.14 inches)
Interface	USB, Bluetooth		
Illuminants:	A,B,C,D50,D55,D65,D75,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11,F12,CWF,U30, U35,DLF,NBF,TL83,TL84		
Battery:	4.2V / 760mAh, Rechargeable, 10,000 continuous tests	**Language:**	English and Chinese
Calibration:	Automatic	**Software Support:**	Android, IOS, Windows
Weight:	About 90g	**Instrument Size:**	Diameter 31mm , Height 102mm
Storage Memory:	APP unlimited storage	**Test Accuracy:**	0.1

Disclaimer

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