

Color Meter Pro



Color Meter Pro is an innovation color measuring tool with powerful configuration to make color measurement easier and more professional; It support Bluetooth to connect with Android and ISO devices, ColorMeter Pro will take you into a new world of color management; It can be widely used to measure color value, color difference value and find similar color from color cards for printing industry, paint industry, textile industry, etc.

Introduction:

1. Measure Color Value:
 - 1.1 Adopt international used D/8 (Diffused Illumination, 8 degree viewing) geometry and SCI mode to make measurement more accurate.
 - 1.2 Adopt spectral sensor to provide reflectance data which make its performance much better than colorimeter.
 - 1.3 To get correct L*a*b, L*Ch, RGB, Hex and other color value under light source D65 or D50.
 - 1.4 It can measure whiteness index, yellowness index, color strength, color fastness, opacity and other 20 kinds of parameters with 26 kinds of illuminants.



Operate on Instrument



Operate from APP

2. Measure Color Difference Value:

- 2.1. “Pass” or “Fail” judgment can be seen from both instrument and APP.
- 2.2. ΔE^*ab , ΔE^*CH and other color difference formulas, display color difference value, color difference evaluation results.
- 2.3. Connect to App for color difference evaluation, color difference tolerance and parameters can be set in APP.

3. Portable and Massive Color Card Database:

- 3.1 Bluetooth to connect with mobile phone APP to create database to upload the color shades from printing, paint, textile color cards.
- 3.2 No need to carry big and heavy color card, we can find color card database from Colormeter Pro APP and find the closed/similar color easier and faster.



4. Artificial Intelligence for Accurately Measure Color:

- 4.1. AI-based color search engine for accurately measure color;
- 4.2. Color can be collected anywhere and anytime.



5. Innovation Design for Auto Black and White Calibration:
 - 5.1. Auto instrument black and white calibration for easier and correct color test.
 - 5.2. APP will remind for calibration if instrument works for long time
 - 5.3. From APP we can do manual calibration and set calibration interval.

6. Single Instrument for Test and Save Test Value
 - 6.1. 1.14 inches IPS display screen to show color information.
 - 6.2. Data can be saved on instrument and instrument data can be synced into APP.

7. Cloud database, more convenient to view and upload
 - 7.1. Official color card databases are available.
 - 7.2. Personal users can update color information to cloud and share between different instruments which make color management much easier.
 - 7.3. Enterprise users can create and manage their own color card library and formula information in the cloud and share the information to their customers and suppliers through the unique invitation code.

Packing List:



Deceptions	Qty.
Instrument	1
Type-C Cable	1
Operate Manual	1

Technical Data:

Model	Color Meter Pro
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 (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
Light Source	LED (Full Wavelength Balanced LED Light Source)
Measure Aperture	8mm
Wavelength Interval	10nm
Wavelength Range	400 ~ 700nm
Repeatability	$\Delta E \leq 0.1$ (when a white tile is measured 30 times at 5-second intervals after calibration)
Measurement Time	1s
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
Observer	2° and 10°
Display Screen	IPS Full Color Screen (screen resolution 135*240, 1.14 inches)
Battery	4.2V / 760mAh, Rechargeable, 10,000 continuous tests
Language	English and Chinese
Calibration	Auto
Software Support	Android, IOS, Windows
Weight	Approx. 90g
Instrument Size	Diameter 31mm , Height 102mm

Details Picture:

