



ColorMeter Pro



ColorMeter Pro is a colorimeter and a spectrophotometer

- ColorMeter Pro can measure the material surface to get L*a*b, L*Ch, RGB Hex and other color value.
- Pass or fail judgment can be seen from instrument screen directly.
- ColorMeter Pro can measure whiteness index, yellowness index, color strength color fastness, opacity and other 20 kinds of parameters with 26 kinds of illuminants.

Artificial Intelligence for Accurately Measure Color

- AI-based color search engine for accurately measure and search color.
- Color can be collected anywhere and anytime.
- ColorMeter Pro is with good inter-instrument agreement for consistent color number searching result in same database with different instruments.



Portable and Massive Color Card Database

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



Simple Operation

- Auto instrument black and white calibration for easier and correct color test.
- 1.14 inches IPS instrument screen to show color and color difference value.
- Long battery life, continuous test 10,000 times for single charge.
- Exquisite and compact instrument body for easily carrying.



Technical Data

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)	Measure Aperture	8mm
Wavelength Interval	10nm	Repeatability	$\Delta E \leq 0.1$ (when a white tile is measured 30 times at 5-second intervals after calibration)
Measurement Time	1Sec	Observer	2°, 10°
Illuminants	A, B, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12CWF, U30, DLF, NBF, TL83, TL84, U35		
Interface	USB, Bluetooth	Display Screen	IPS Full Color Screen (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	About 90g	Instrument Size	Diameter 31mm, Height 102mm