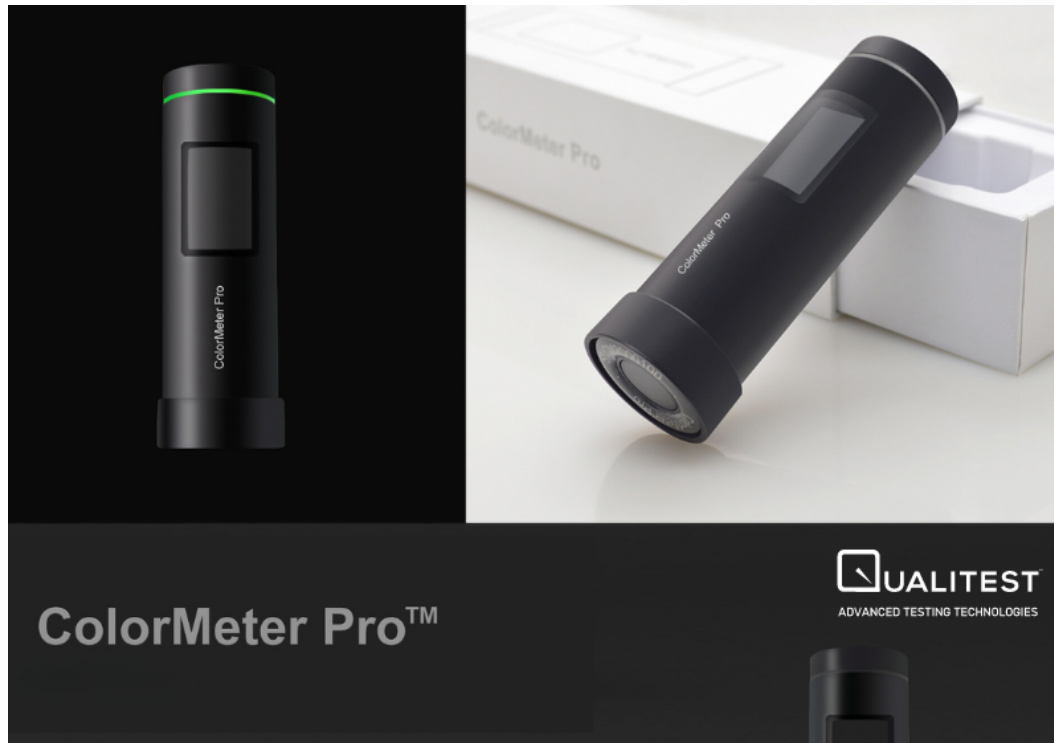




ColorMeter Pro



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APPLICATIONS

ColorMeter Pro: Revolutionizing Color Measurement

ColorMeter Pro is an innovative color measuring tool designed to simplify and professionalize color measurement. With powerful configurations, Bluetooth connectivity, and compatibility with Android and iOS devices, ColorMeter Pro opens up a new world of color management. It is ideal for measuring color values, color differences, and finding matching colors from color cards across industries such as printing, paint, and textiles.





FEATURES

ColorMeter Pro Instrument Functions



1. Measure Color Value

- Utilizes internationally recognized D/8 (Diffused Illumination, 8-degree viewing) geometry and SCI mode for precise measurements.

- Equipped with a spectral sensor for superior performance compared to traditional colorimeters.
- Accurately measures Lab, L*Ch, RGB, Hex, and other color values under D65 or D50 light sources.

2. Measure Color Difference Value

- Evaluates whiteness index, yellowness index, color strength, color fastness, opacity, and over 20 other parameters with 26 types of illuminants.
- Features "Pass" or "Fail" judgment displayed on both the instrument and the app.
- Supports ΔE_{ab} , ΔE_{CH} , and other color difference formulas, displaying color difference values and evaluation results.
- Connects to the app for setting color difference tolerance and other parameters.

3. Portable and Extensive Color Card Database

- Uses Bluetooth to connect with a mobile app, creating a database to upload color shades from printing, paint, and textile color cards.
- Eliminates the need to carry bulky color cards by providing a comprehensive color card database within the ColorMeter Pro app.

4. Artificial Intelligence for Accurate Color Measurement

- AI-based color search engine ensures precise color measurements anywhere, anytime.

5. Innovative Auto Black and White Calibration

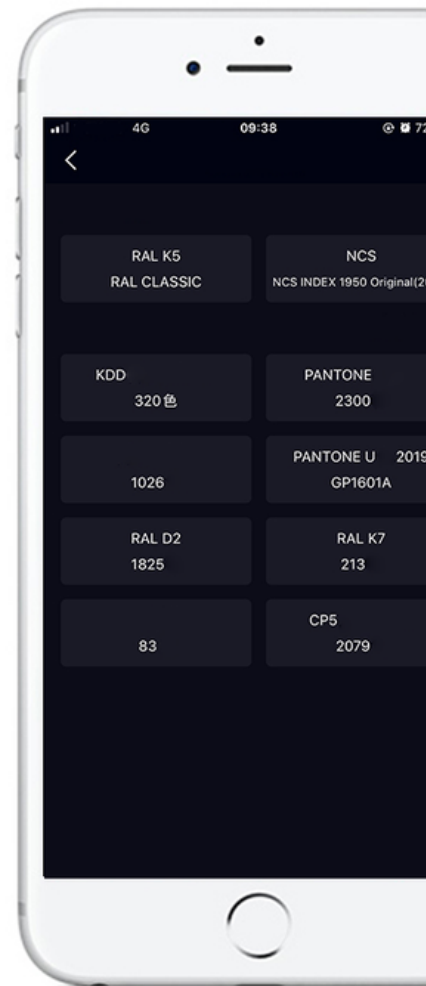
- Features automatic black and white calibration for accurate color tests.
- The app provides calibration reminders for long-term use.
- Manual calibration and calibration interval settings are available in the app.

6. Single Instrument for Testing and Saving Test Values

- Includes a 1.14-inch IPS display screen to show color information.
- Saves data on the instrument, which can be synced to the app.

7. Cloud Database for Convenient Viewing and Uploading

- Access official color card databases.
- Personal users can upload and share color information between different instruments via the cloud.
- Enterprise users can create and manage their own color card library and formula information, sharing them with customers and suppliers through unique invitation codes.

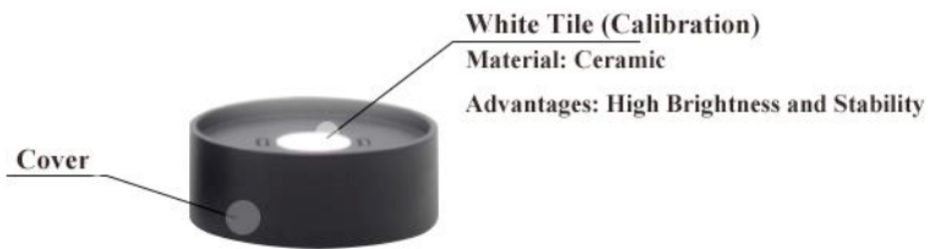


TECHNICAL SPECIFICATIONS

ColorMeter Pro Technical Specifications

Model	ColorMeter 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, ISO2470/R457, 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 (135*240mm, 1.14 inches)
Battery	4.2V / 760mAh, Rechargeable, 10,000 continuous tests
Calibration	Auto

Software Support	Android, iOS, Windows
Weight	90g
Instrument Size	Diameter 31mm, Height 102mm



Standard Configuration

- 1 x Instrument
- 1 x Type-C Cable
- 1 x Operation Manual



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