



ColorReader

CR2

ColorReader CR2 is developed using the combination of advanced color sensors and rich-performance APP applications. It is specially equipped with multi-functional "smart buttons" and professional non-contact automatic whiteboard verification, which realizes the integration of miniature colorimeter and mobile phone color difference treasure. Two in one.



Support APP



USB/Bluetooth[®]



Color lookup



Quick measurement

Features



Accurate color measurement

Real-time accurate color measurement, repeatability is less than Equal to 0.08, display accuracy 0.01

WI | YI | Metamerism Index Mt
 Color fastness | color strength
 Opacity | 555 color classification
 Munsell(C/2) ...

D65 | A | C | D50 | D55 | D75
 F1 | F2(CWF) | F3 | F4 | F5 ...

Powerful

Has a powerful chip, AI intelligent algorithm color analysis, measurement Fast, accurate and stable results



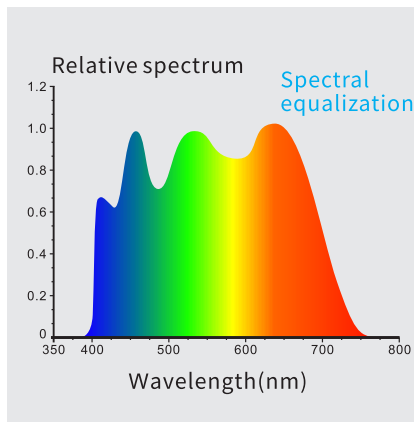
Scientific measurement

Built-in integrating sphere, using SCI lighting observation, Filter spectroscopy measurement is more accurate



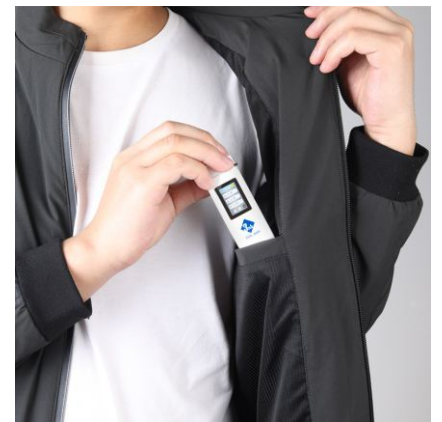
Industrial CPU

Using industrial-grade real-time processing MCU, the measurement is more Stable and reliable



Spectral equalization

Full-band balanced LED light source illumination, reject spectrum loss, Spectroscopic measurement is more accurate



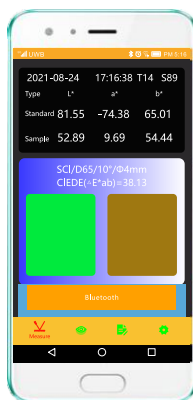
Easy to carry

Small size, powerful function, convenient to carry, measurement anytime, anywhere

Android APP

MOBCCS is a powerful color tube independently developed by the company Management APP software, can connect to the CR2 through the mobile phone Bluetooth, Realize operations such as color search, color search, data printing, etc.

MOBCCS



PC software

Connecting the color management software on the computer via a Bluetooth adapter or USB data cable can also realize color data management, which is suitable for quality monitoring in various industries. Data the user's color management, compare color differences, generate test reports, provide a variety of color space measurement data, and customize customer color management.

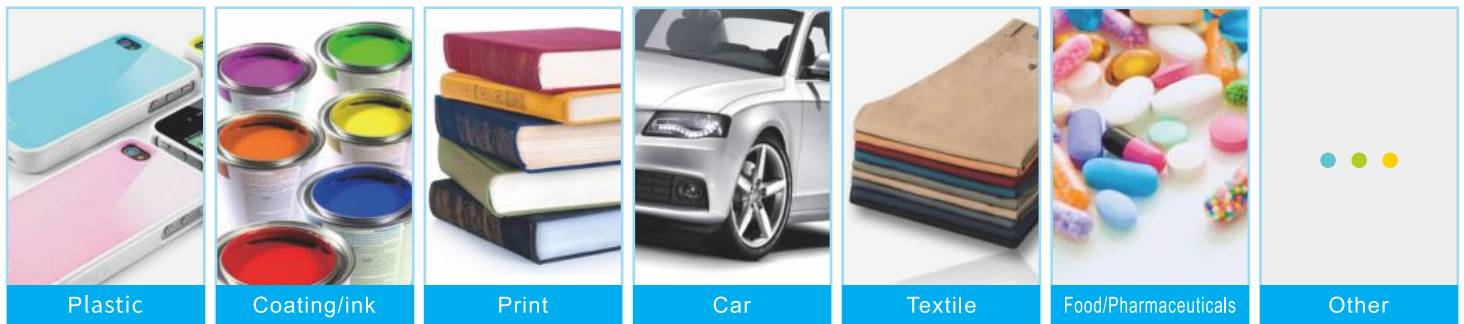


SQCX



APPLICATION INDUSTRY

CR2 is used for the quality control of color difference in plastic electronics, paint and coating, textile and garment printing and dyeing, ceramics and other industries;



ColorReader	
Model: CR2 (Professional Edition)	Repeatability: Color: ΔE^*ab within 0.08 (After warm-up calibration, the average value of measuring the whiteboard 30 times at an interval of 5s)
Geometry: D/8 (Diffuse illuminance, 8° reception, SCI)	Metrology requirements: Pass National Metrology
Standards compliant: CIE No.15, GB/T 3978	Measurement Mode: Single measurement, Average measurement (2~99times) (Implemented through smartphone App)
Integrating sphere size: $\Phi 20mm$	Dimension: $\Phi 30 \times 100mm$
Illuminant: Full spectrum LED light source	Weight: about 88g
Spectro device: Filter spectro	Battery: Lithium battery, can do tests continuously for 12,000 times in a single full charge
Sensor: CMOS Dual light path sensor	Light source lifespan: 5-years more than 3 million times measurements
Wavelength Range: 400-700nm	Display screen: IPS full color screen, 1.14 inch
Measuring Aperture: $\Phi 8$	Interface: Type-C USB, Bluetooth, Buttons
SCI/SCE: SCI	Data storage: Standards: 10pcs, Samples: 100pcs. Mass storage can be expanded through mobile APP
Color Spaces: CIE LAB, XYZ, Yxy, LCh, CIE LUV, s-RGB, HunterLab, βxy , DIN Lab99	Data review: The instrument has its own measurement data review function
Color Difference Formula: $\Delta E^*ab, \Delta E^*uv, \Delta E^*94, \Delta E^*cmc(2:1), \Delta E^*cmc(1:1), \Delta E^*00, \Delta E^*99, \Delta E^*(Hunter)$	White calibration: Non-contact automatic calibration
Other Color Index: WI (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D1925, ASTM 313), Metamerism Index Mt, Color fastness, color strength, and Opacity, 555 color classification, Munsell (C/2) (implemented by mobile APP)	Settings: Instrument can set parameters
Display Accuracy: 0.01	Language: Chinese, English
Observer Angle: $2^\circ/10^\circ$	Working Temperature range: 0~40°C, 0~85%RH (No condensation), Altitude: lower than 2000m
Light source: D65, A, C, D50, D55, D75, F1, F2 (CWF), F3, F4, F5, F6, F7 (DLF), F8, F9, F10 (TPL5), F11 (TL84), F12 (TL83/U30)	Storage Temperature Range: -20~50°C, 0~85%RH (No condensation)
Display: Sample chromaticity value, color difference value, pass/fail result, color simulation, color deviation, reflectance (partly through mobile APP)	Standard Accessories: Data cable, manual, calibration box, SQCX PC Color quality management software, MOBCCS APP (download from official website)
Measuring Time: about 1.0s	Optional Accessories: USB mini printer, powder test box



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