

# Support

# Android's Colorimeter

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CR1



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## Smart and portable ColorReader Basic Edition

CR1 is small in size, easy to carry, built-in full-spectrum lighting, Bluetooth communication, D/8 structure for precise measurement, and 9 color space options can be realized through the mobile phone APP, more than 30 measurement indicators, APP built-in electronic color card, automatic matching Find the color!

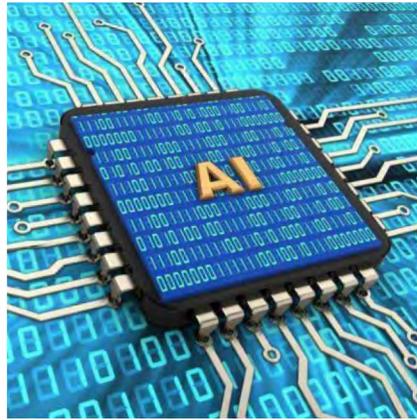


# Features



## Smart color measurement

The chromaticity value and color difference value of the sample can be displayed through the mobile APP, Pass/Fail result, color simulation, color deviation, reflectivity



## Powerful

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



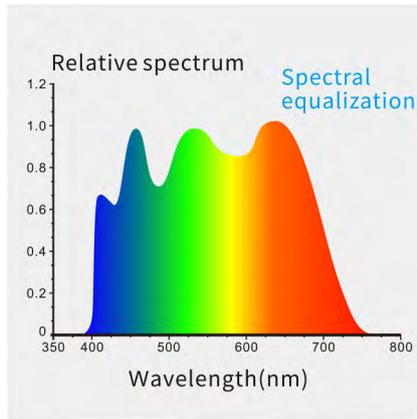
## Scientific measurement

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



## Easy to use

Few keys, one key measurement, the data displayed on the screen is concise and clear, The upper status light allows you to easily know whether the measurement result is qualified



## 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 CR1 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

CR1 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:** CR1(Basic Edition)

**Geometry:** D/8 ((Diffuse illuminance, 8°reception, SCI))

**Standard:** CIE No.15,GB/T 3978

**Integrating sphere size:** Φ20mm

**Illuminant:** Full spectrum LED light source

**Spectro device:** Filter spectro

**Sensor:** CMOS Dual light path sensor

**Wavelength Range:** 400-700nm

**Measuring Aperture:** Φ8

**SCI/SCE:** SCI

**Color Spaces:** CIE LAB, LCh

**Color Difference Formula:**  $\Delta E^*ab$

**Other Color Index:** /

**Display Accuracy:** 0.1

**Observer Angle:** 10°

**Light source:** D65

**Display:** Sample Chromaticity Value, Color Difference Value, Pass/fail Result, Color Simulation, Color Deviation, Reflectance (partly Through Mobile App)

**Measuring Time:** about 1.0s

**Repeatability:** Color:  $\Delta E^*ab$  within 0.1 (After warm-up calibration, the average value of measuring the whiteboard 30 times at an interval of 5s)

**Measurement Mode:** Single measurement, Average measurement (2~99times) (Implemented through smartphone App)

**Dimension:** Ø30X100mm

**Weight:** about 88g

**Battery:** Lithium battery, can do tests continuously for 12,000 times in a single full charge

**Light source lifespan:** 5years more than 3 million times measurements

**Display screen:** IPS full color screen, 1.14 inch

**Interface:** Type C USB (just for recharge); Bluetooth

**Data storage:** Mass storage can be expanded through mobile APP

**Data review:** The instrument has no measurement data review function

**White calibration:** Non-contact automatic calibration

**Settings:** Instrument can set parameters

**Language:** Chinese, English

**Standard accessories:** Data cable, manual, calibration box, SQCX PC Color quality management software, MOBCCS APP (download from official website)

**Optional Accessories:** USB mini printer, powder test box