Wireless communication Test and transfer

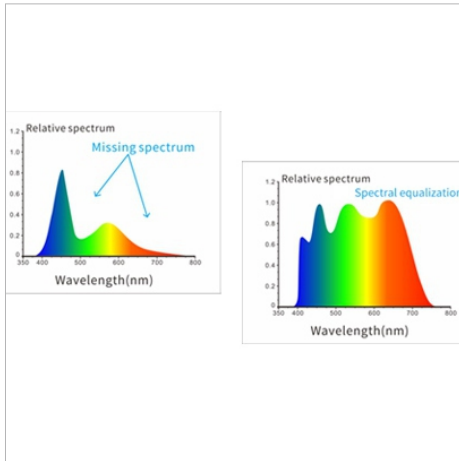Standard

D/8   SCI   14:21 08.05

T00888

L*:88.97
a*:-14.31
b*:38.26

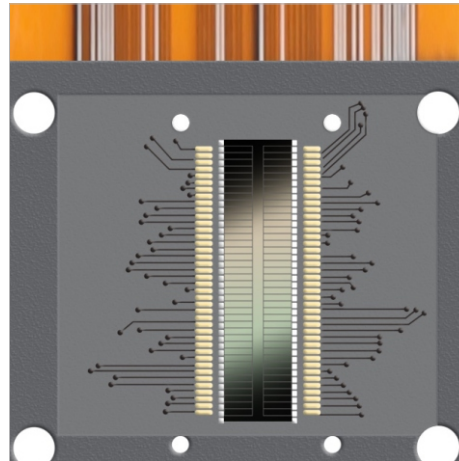SCI   Tolerance

CE   NIM   TÜV   RoHS   FC

PRODUCT FEATURES


1.Adopt full-band balanced LED light source

The full-band balanced LED light source ensures sufficient spectral distribution in the visible light range, avoids the lack of spectrum of white LEDs in a specific band, and ensures the measurement speed of the instrument and the accuracy of the measurement results.

2.Silicon photodiode array (double 32 array) sensor

The dual-32 array sensor with larger area has strong light but not saturate, higher sensitivity of low light and wider spectral response range, which ensures the measurement speed, accuracy, stability and consistency of the instrument.

Mastering the core technology and fully compatible with international standards.
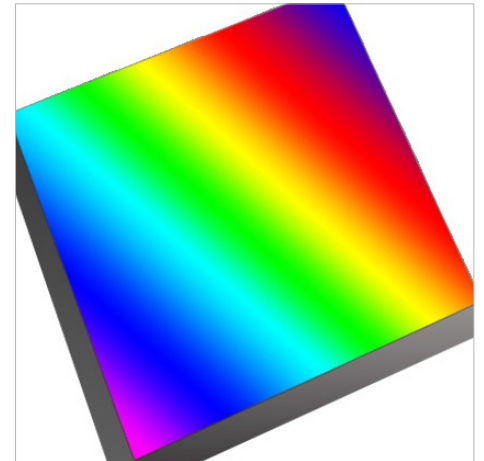
3.Grating Spectrophotometric technology

Using grating spectrophotometric technology, it has higher resolution and makes color measurement more accurate.

4.Place the base safely to ensure that the whiteboard is not dirty.

5.Professional whiteboard, a promise that will never change color forever.

6. Fast charging

Special fast charging method, low-voltage reminder to charge or use of off-hours to charge, to ensure the capacity and life of the battery (note: frequent repeated charging of the battery is more harmful).


7.Novel and fashionable appearance design based on ergonomics

The position of the hand grip and the measurement button are carefully designed to meet different gripping habits. The smooth and fine surface is derived from the art of high-precision appearance processing.

8.Customize a single measuring aperture to accurately meet the needs of sample measurement

Spectrocolorreader CR8 (Professional) can choose Ø8mm or Ø4mm platform aperture according to your needs to meet your sample measurement needs.
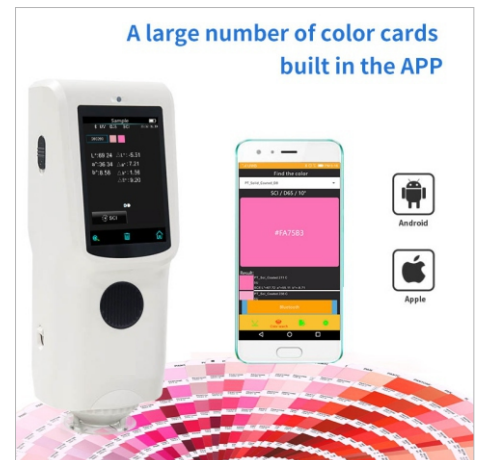
9.Massive color card database

The instrument stores 500 standard and 10,000 samples, and the APP synchronously stores a large amount of data, which can quickly check color data, analyze and compare.Use the App to build your private color database in the cloud. You don't need to carry a heavy color card. You can use CR8 colorreader to find the closest color in multiple color cards anytime and anywhere.

10.Excellent inter- instrument error and repeatability to ensure the consistency of measurement data of multiple equipment.

11.Diversified data display
SpectrocolorreaderCR8 (Professional)can intuitively display reflectance (reflectance at 3 specific wavelength specified by the user) , sample chromaticity value, color difference value/graph, pass/fail result, color simulation, color offset and other data .It is convenient to view and also greatly improves the user's work efficiency.
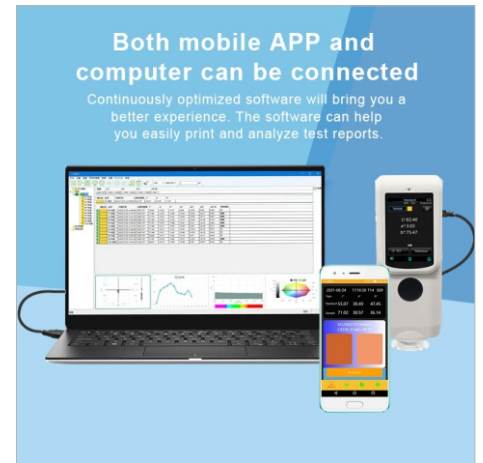
12.Use whatever you want
It can be used alone, 3.5inch true color screen can check data at any time, cooperate with SQCX quality management software to facilitate quality monitoring and color data management, with APP to synchronize data at any time, and more application scenarios are waiting for you to discover.

APPLICATION INDUSTRY

Customized single measurement aperture for accurate color difference control in plastic and electronic, paint and ink, textile and garment printing and dyeing, printing, ceramics and other industries

paint

plastic

ceramics

PRODUCT PARAMETERS

Model : CR8 (Professional)

Optical geometry : D/8 (diffuse illumination, 8° direction reception) SCI measurement Comply with standard CIE No.15,GB/T 3978,GB 2893,GB/T 18833,ISO7724-1,ASTM E1164,DIN5033 Teil7

Characteristics : Customized single measurement aperture for accurate color difference control in plastic and electronic, paint and ink, textile and garment printing and dyeing, printing, ceramics and other industries

Integrating sphere size : Φ40mm

Light source : Combined full-spectrum LED light source

Spectroscopic method : Planar grating

Sensor : Silicon photodiode arrays (dual row 32 groups)

Wavelength range : 400~700nm

Wavelength interval : 10nm

Semiband Bandwidth : 10nm

Measurement range : L:0~120 Reflectivity: the instrument can test the reflectivity at 3 specific wavelengths specified by the user (default 440nm, 550nm, 600nm), APP can realize the full-band wavelength display

Measurement aperture : Single aperture: Φ8mm (Φ4mm optional)

Focusing method : Fixed Focus

Specular component : SCI

Color space : CIE LAB,XYZ,Yxy,LCh

Color difference formula : $\Delta E^*ab, \Delta E^*00$

Other colorimetric indexs : Multiple colorimetric indexs are realized through APP

Observer angle : 10°

Illuminant : D65,A,F2(CWF)

Displayed data : Reflectivity(at 3 specific wavelengths specified by the user)chromaticity value, color difference value/graph, pass/fail result, color simulation, color offset

Display Accuracy : 0.01

Measurement time : Approx. 1.5s

Repeatability : Chromaticity value: MAV/SCI, ΔE^*ab within 0.04 (When a white calibration plate is measured 30 times at 5 second intervals after white calibration)

Inter-instrument error : MAV/SCI, within ΔE^*ab 0.35(Average for 12 BCRA Series II color tiles)

Measurement method : Single measurement, average measurement (2~99 times)

Locating method : Stabilizer locating

Size : LxWxH=81X71X214mm

Weight : About 460g

Battery power: Lithium battery, 6000 times in 8 hours

Illuminant life span: 5 years, more than 3 million times measurements

Display : TFT true color 3.5inch, capacitive touch screen

Data port : USB, Bluetooth® 5.0

Data storage : 500 standard samples, 1,0000 samples , APP mass storage

Language : Simplified Chinese, English, Traditional Chinese

Operating temperature range : 0~40℃, 0~85%RH (no condensation), altitude< 2000m

Storage temperature range : -20~50℃, 0~85%RH (no condensation)

Standard Accessories : Power adapter, data cable, manual, SQCX quality management software (official website download), black and white calibration box, protective cover, wrist strap, single aperture: Ø8mm (optional Ø4mm) platform aperture, MOBCCS APP (official website download)

Optional Accessories : USB micro printer, powder test box, Bluetooth micro printer

Notes : Technical parameters are for reference only, subject to the actual sales of products