3nh®

Easy to carry smart color measurement tool

Color

D65/10

L*: 86.54

a*: -6.23

b*: 67.11

05

ColorReader

CR4501   45° Ring illumination

The CR4501 color reader is developed by combining advanced color sensors with rich APP applications. It adopts the 45/0 (45 degree annular lighting, 0 degree reception) geometric optical structure in line with CIE No.15, and realizes the integration of the micro color difference meter and the mobile phone color reader. It is commonly used for color difference quality control in plastic electronics, paint coatings, textile and garment printing and dyeing, ceramics and other industries. You can identify and find color cards through mobile phone APP, and you can use it anytime and anywhere to capture color inspiration.

Support mobile APP   USB/Bluetooth®   Find the color   Rapid measurement
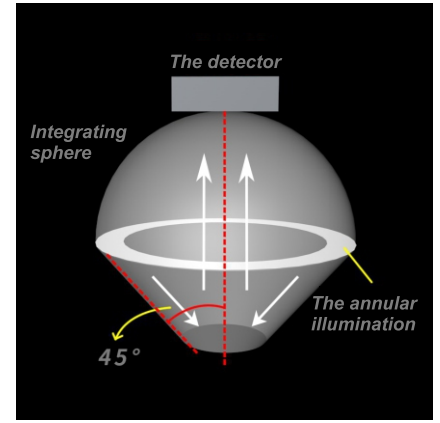
CE   NIM   TÜV   RoHS   FC

Product features

Measurement precision
Repeatability less than or equal to 0.1, display accuracy 0.1,just You can get accurate color measurements with one click.

Portable color card database
APP synchronizes massive storage, can quickly carry out color data Look up, analyze and compare.
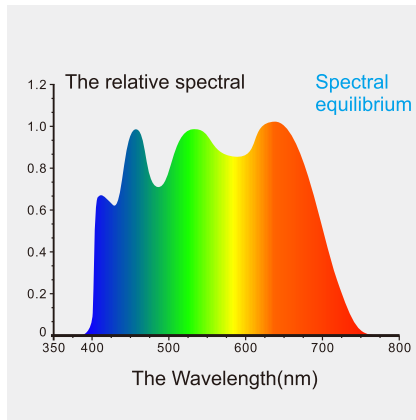
Dual optical path sensing
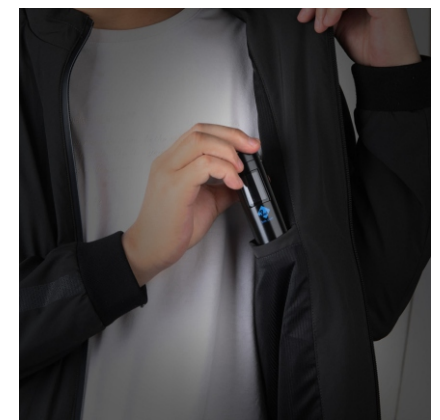Professional dual light path sensor and Full spectral light source

The detector

Integrating sphere

The annular illumination

45°

Industrial grade processor
Industrial - grade real-time processing MCU

MCU

Balanced light source
Full band balanced LED light source illumination, reject spectrum loss

The relative spectral   Spectral equilibrium

The Wavelength(nm)

Easy to carry
Small size, powerful function, easy to carry, anytime and anywhere measurement

THE SOFTWARE EXTENSION
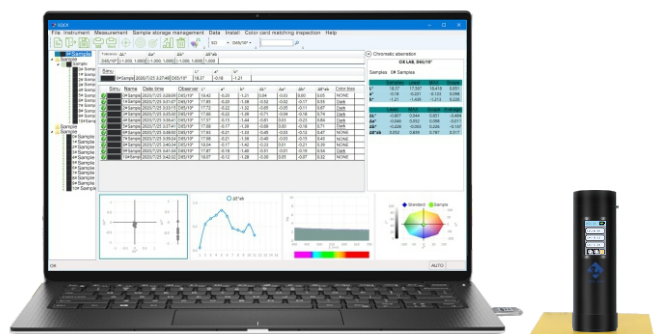
Mobile APP
MOBCCS
MOBCCS is a powerful color tube independently developed by the company Manage APP software, connect color difference treasure through mobile phone Bluetooth, To achieve color, color, data printing and other operations

Computer software
SQCX
Connect the color management software on the computer through a Bluetooth adapter or USB cable.Also can realize color data management,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, customized customer color management.

APPLICATION INDUSTRY

Color difference treasure is used for color difference quality control in plastic electronics, paint and coating, textile and garment printing and dyeing, ceramics and other industries; Multiple data can be measured through the mobile APP, and color difference measurement and color matching can be easily realized. The instrument is compact and convenient to carry, and it also has the function of finding color cards by APP.

| Plastic | Paint/ink | Printing | Automobile | Textile | Food & Medicine | Other |

CR4501 (Basic version)

Model： CR4501

Lighting system： 45°annular uniform illumination 0° reception

Conform to the standard： CIE No.15，GB/T 3978,GB 2893, GB/T 18833,ISO7724-1,ASTM E1164,DIN5033 Teil7

Lighting source： Full spectrum LED light source

Spectroscopic methods： Light filter splitting

Sensors： CMOS dual optical path sensor

Measurement wavelength range： 400-700nm

Wavelength interval： 10mm

Measure the diameter： Φ8mm

Color space： CIE LAB,LCh

The color difference formula： ΔE*ab

Other chromaticity indexes： /

Angle of observer： 10°

Illumination： D65

Display： /

Measuring time： about 1S

Inter-instrument Error： ΔE*00<0.5
(BCRA II series 12 color bricks measured average)

Stability of measurement：
Chromaticity value: ΔE*ab within 0.1
(After preheating and correction, the average value of the whiteboard is measured for 30 times at an interval of 5s)

Multi-function smart button： /

Measurement requirements： /

Display precision： 0.01

Size： Ø30X100mm

Weight： about 88g

Battery： Lithium battery, full charge can be tested for 12,000 times

Illumination source lifetime：
More than 3 million measurements in 5 years

Display： 1.14inch-IPS Color LCD

Interface： Type C USB, bluetooth

Store the data： The device has no storage function and can be stored through the mobile APP

Software support： Andriod,IOS,Windows, Wechat small program, Hongmeng, color cloud

Language： Chinese, English

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

Storage temperature range： -20~50℃, 0~85%RH

Standard accessories： Data line, manual, calibration box, SQCX quality management software,Color matching cloud wechat applet, MOBCCS APP(download from the official website)

Optional accessories： Micro printer

GUANGDONG THREENH TECHNOLOGY CO., LTD.

| Spectrophotometers | Colorimeters | Haze Meters | Gloss Meters | Test Charts | Light Booths |

★ **CONTACT US**

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