PRODUCT CATALOG

COLORIMETER BJH-1701

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WIRELESS COMMUNICATION TEST AND TRANSFER

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 does 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

SPECIFICATIONS

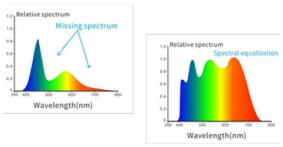
Model	BJH-1701
Optical geometry	D/8 (diffuse illumination, 8° direction reception), SCI measurement. Comply with standard CIE No.15, GB/T 3978, GB 2893, GB/T 18833, ISO7724-1, ASTM E1164, DIN5033 Teil7.
Characteristics	Customized single measurement aperture for accurate color difference control in plastic and electronic, paint and ink, textile and garment printing and dyeing, printing, ceramics and other industries.
Integrating sphere size	Φ40 mm
Light source	Combined full-spectrum LED light source
Spectroscopic method	Planar grating
Sensor	Silicon photodiode arrays (dual row 32 groups)
Wavelength range	400~700 nm
Wavelength interval	10 nm
Semiband Bandwidth	10 nm
Measurement range	L: 0~120; Reflectivity: the instrument can test the reflectivity at 3 specific wavelengths specified by the user (default 440 nm, 550 nm, 600 nm); APP can realize the full-band wavelength display.
Measurement aperture	Single aperture: Φ8 mm (Φ4 mm optional)
Focusing method	Fixed Focus
Specular component	SCI
Color space	CIE LAB, XYZ, Yxy, LCh
Color difference formula	ΔE*ab, ΔE*00
Other colorimetric indexes	Multiple colorimetric indexes 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. 1.5 s
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, with in 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	L x W x H = 81 x 71 x 214 mm
Weight	About 460 g
Battery power	Lithium battery, 6000 times in 8 hours
Illuminant life span	5 years, more than 3 million measurements
Display	TFT true color 3.5 inch, capacitive touch screen
Data port	USB, Bluetooth 5.0
Data storage	500 standard samples, 1,000 samples, APP mass storage
Language	Simplified Chinese, English, Traditional Chinese
Operating temperature range	0~40℃, 0~85%RH (no condensation), altitude < 2000 m
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: Ø8 mm (optional Ø4 mm) platform aperture, MOBCCS APP (official website download).
Notes	Technical parameters are for reference only, subject to the actual sales of products.
Alt Name	Wireless Communication Test and Transfer

ACCESSORIES FOR PURCHASE

No	Name
1	USB micro printer
2	Powder test box
3	Bluetooth micro printer
4	UTC

FEATURES



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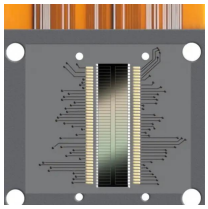

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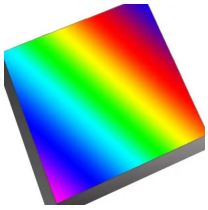


3. Grating Spectrophotometric technology
Using grating spectrophotometric technology, it has higher resolution and makes color measurement more accurate.

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.

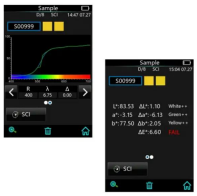
7. Novel and fashionable appearance design based on ergonomics
The position of the hand grip and the measurement button are carefully designed to meet different gripping habits. The smooth and fine surface is derived from the art of high-precision appearance processing.

8. Customize a single measuring aperture to accurately meet the needs of sample measurement Spectrocolorreader can choose Ø8 mm or Ø4 mm 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 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

Spectrocolorreader can intuitively display 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, 3.5-inch 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.

APPLICATIONS

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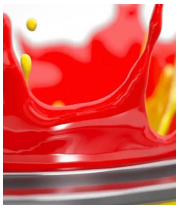

Paint

Plastic


Ceramics

Biolab Scientific Ltd.
Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com