

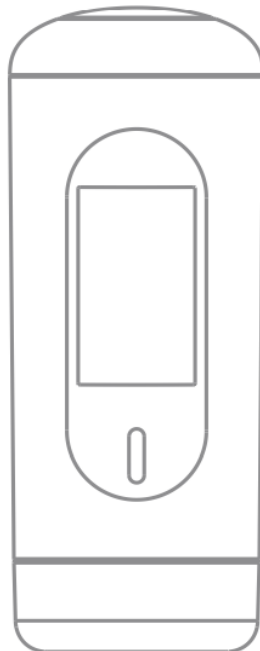


VEYKOLOR CP422000 Color Sensor Colorimeter Instruction Manual

[Home](#) » [VEYKOLOR](#) » VEYKOLOR CP422000 Color Sensor Colorimeter Instruction Manual 

VEYKOLOR

Colorimeter
Instruction Manual

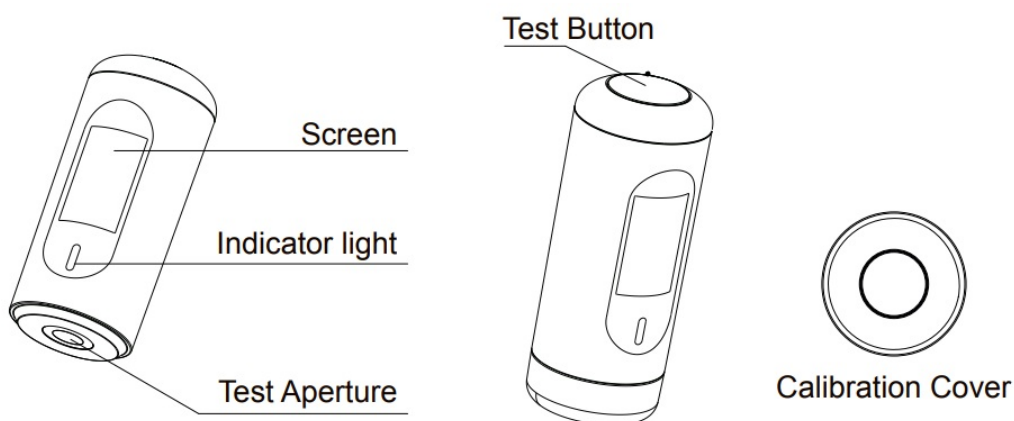


V.V20221201

Contents

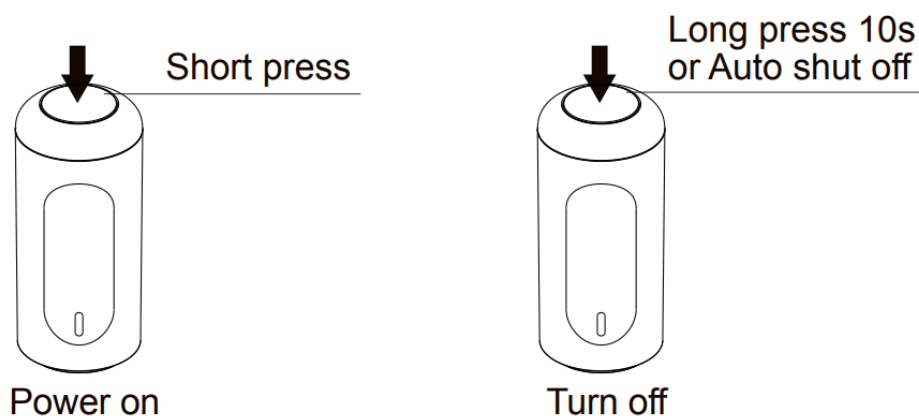
- 1 Appearance structure
- 2 Work with APP
- 3 How to calibrate colorimeter
- 4 How to synchronize parameters to colorimeter
- 5 How to measure color difference
- 6 Technical parameter
- 7 Maintenance Regulations
- 8 Documents / Resources
 - 8.1 References

Appearance structure

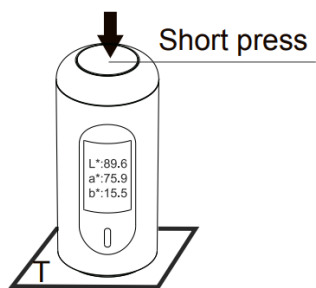


Stand-alone

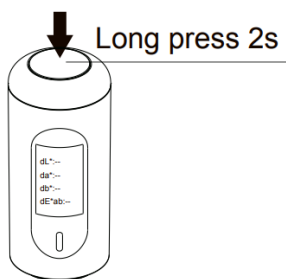
·How to turn on and off



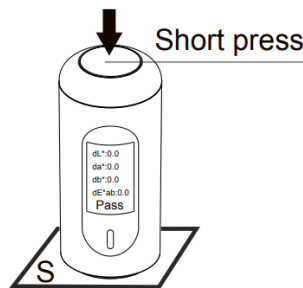
·How to measure color value or color difference



Measure standard
(Get color value)



Transfer to sample
measurement interface



Measure the sample to
get the color difference

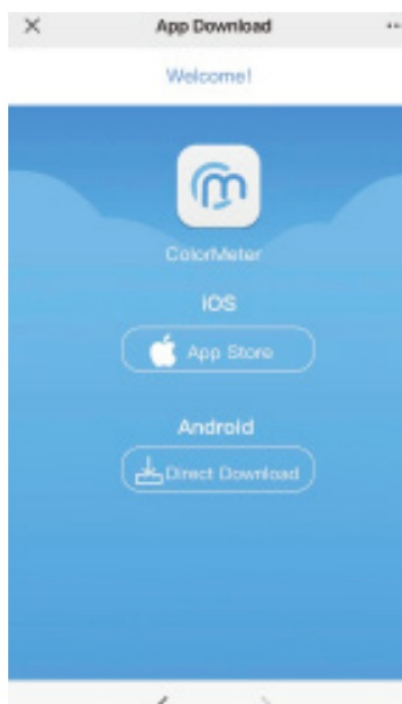
Work with APP

Scan the code to download APP

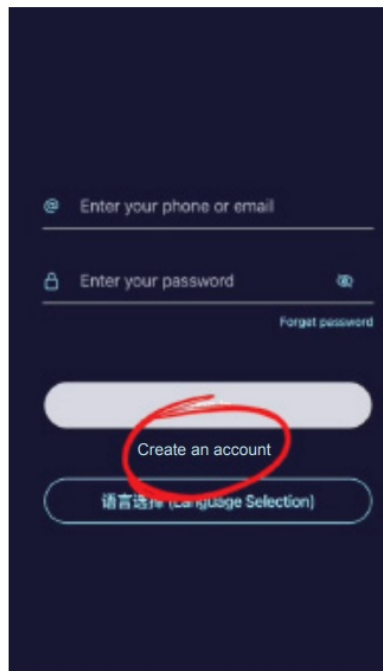


https://m.colormeter.net/cn/col.jsp?id=138&_sc=1&_preview=true

Note: The app is called Color Meter in the App Store. Android phones directly download APK files for installation. Don't worry, the files are safe!

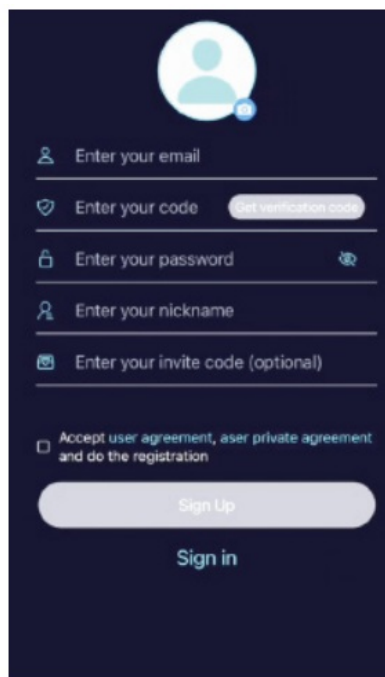


Register and login to APP



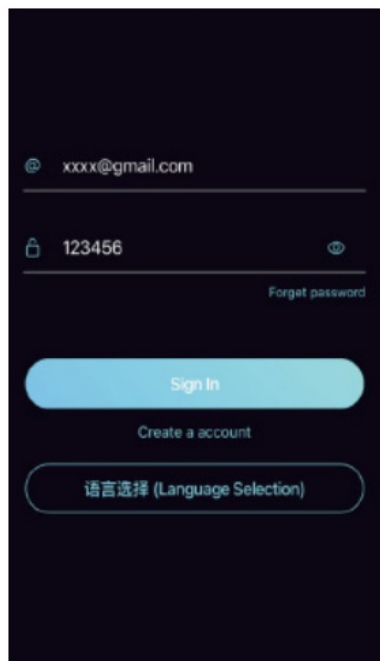
After opening the APP, click “Create an account”.

-

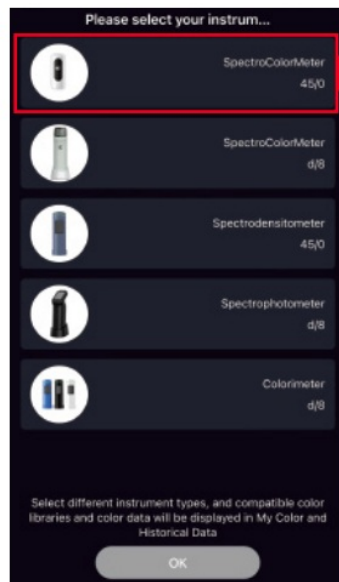


Enter your email. It is recommended to use Gmail or Outlook email

- Click “Get verification code” and go to the mailbox to find the verification code
- Enter a six digit password
- Enter your nickname
- No need to fill in here “ ”
- Tick here Click “Sign Up”

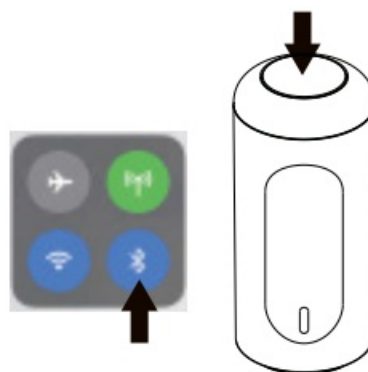


Enter the email and password you just registered and click “Sign in” to log in.



Our APP supports connecting different models. Here you can select the first one and click “OK”.

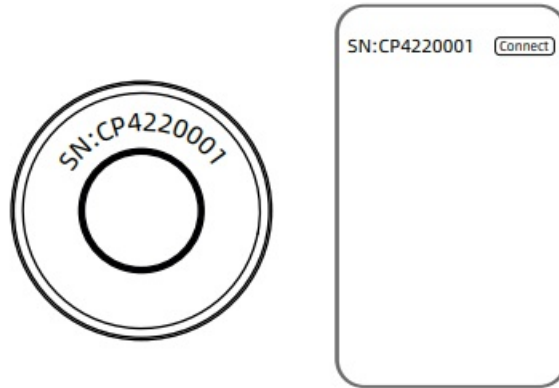
How does colorimeter connect to ColorMeter APP



1. Power on the instrument, and turn on Mobile Phone bluetooth

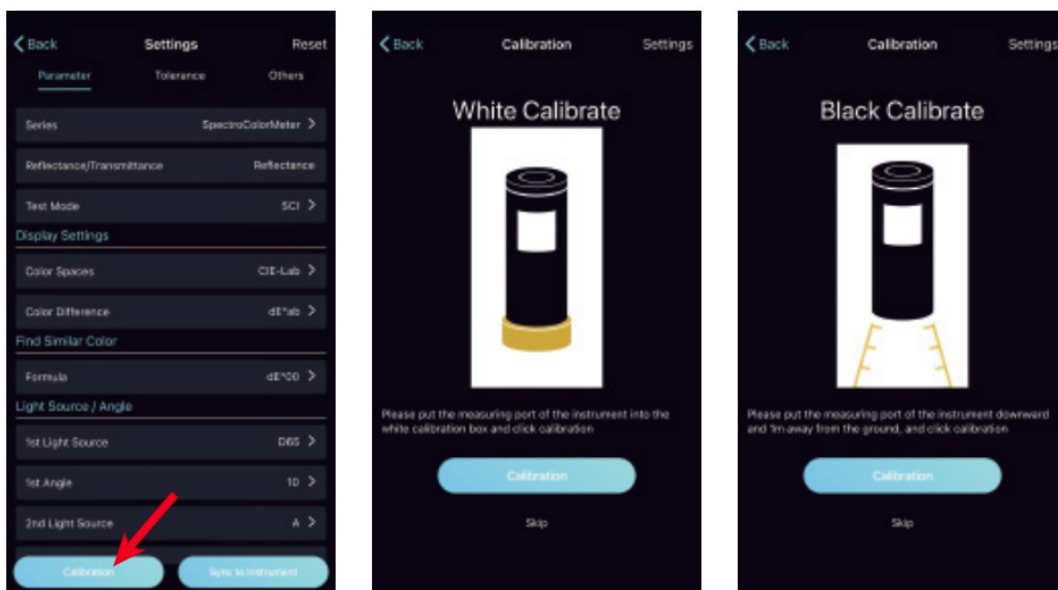


2. Click “Connect” on app, Start searching for instrument serial number



3. Remove the calibration box and find the serial number in the calibration box, click “Connect” on app

How to calibrate colorimeter

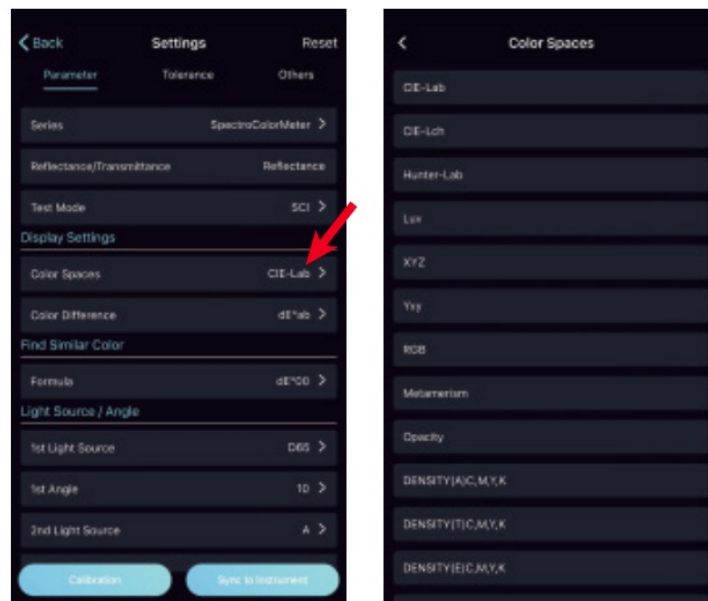


In APP, Click “Personal Center” - “Settings” - “Calibration”.

White Calibration: Keep the colorimeter in the calibration box and click Calibration.

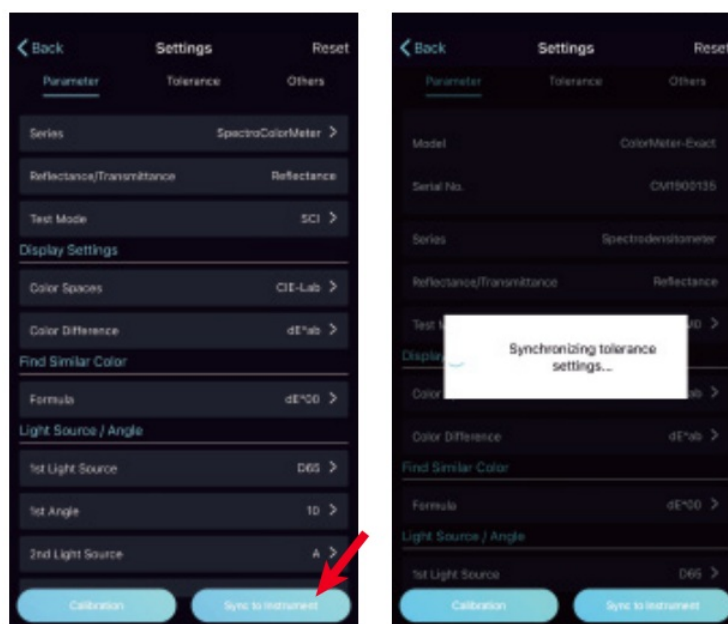
Black Calibration: Remove the calibration cover, keep the instrument test port aligned with the air and 1 m vertically above the ground, and click Calibration.

How to measure the desired parameters



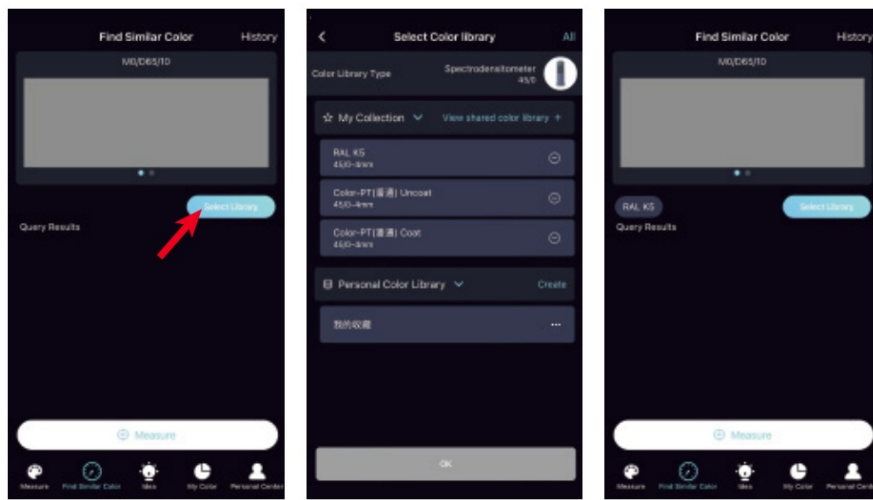
Click“Personal Center”-“Settings”-“Color Spaces”.
You can select the measurement parameters of the model you purchased.

How to synchronize parameters to colorimeter



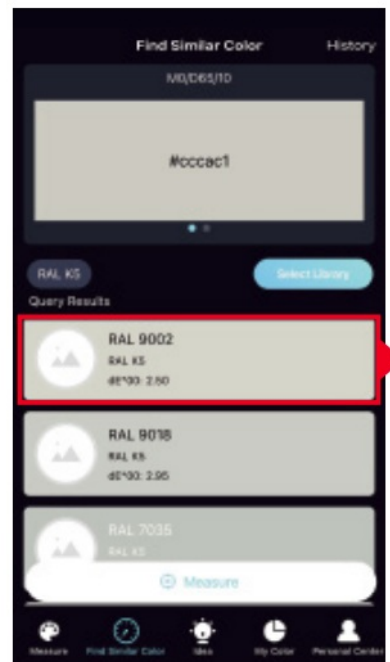
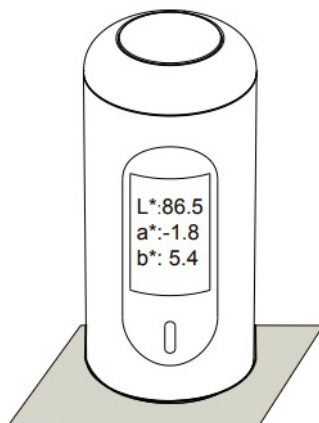
Click“Personal Center”-“Settings”-“Sync to Instrument”.
After setting the parameters and measurement conditions, click “Sync to Instrument” to display the parameters on the Colorimeter screen.
(Some parameters may not support synchronization)

How to find the color card number



Click "Find Similar Color" - "Select Library".

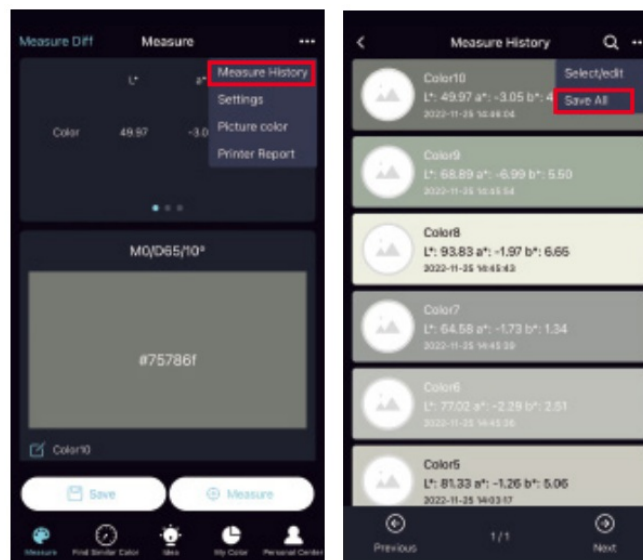
You can find the color card number closest to the color you need in RAL K5, Pantone Uncoated, Pantone Coated.



In the search results, the first color card number is the one closest to the sample color

Note: The color card information will be updated without notice.

How to measure color values and create a color library



In the “Measure” interface, you can continuously measure the colors you need, and finally save all colors in the “Measure History” as a color library.

How to measure color difference

Click here to switch to the color difference measurement interface

Measure Color Measure

	L*	a*	b*
Target	87.12	-1.77	5.76
Sample	81.43	-1.38	5.91
Difference	-5.69	0.39	0.15

Dark Pass Pass

M0/D65/10°
dE*ab=5.70 Fail

#dcdcbf #cdcbbf

Target Sample

Measure Find Similar Color Lens My Color Personal Center

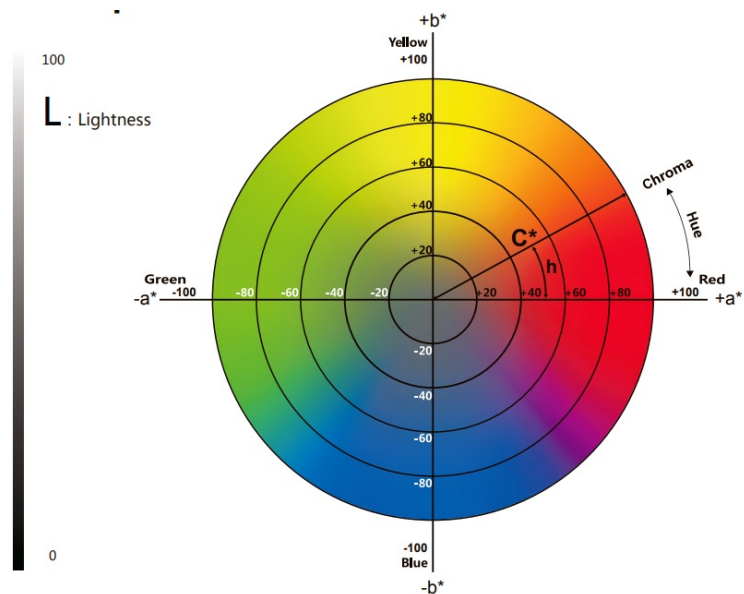
The color bias of the two color contrasts will be displayed here, as shown in the figure, the second color is darker.

5.70 is the color difference value, and the tolerance value is 2.0 by default. The color difference is greater than the tolerance, so the display is Fail. If the color difference is less than the tolerance, it will show Pass.

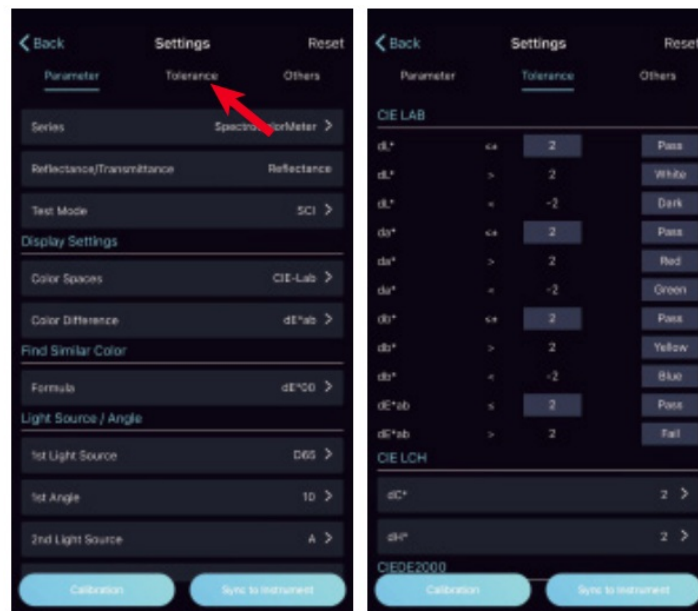
First measure the first color as the standard

Measure the second color as the sample and get the color difference result

Lab color space

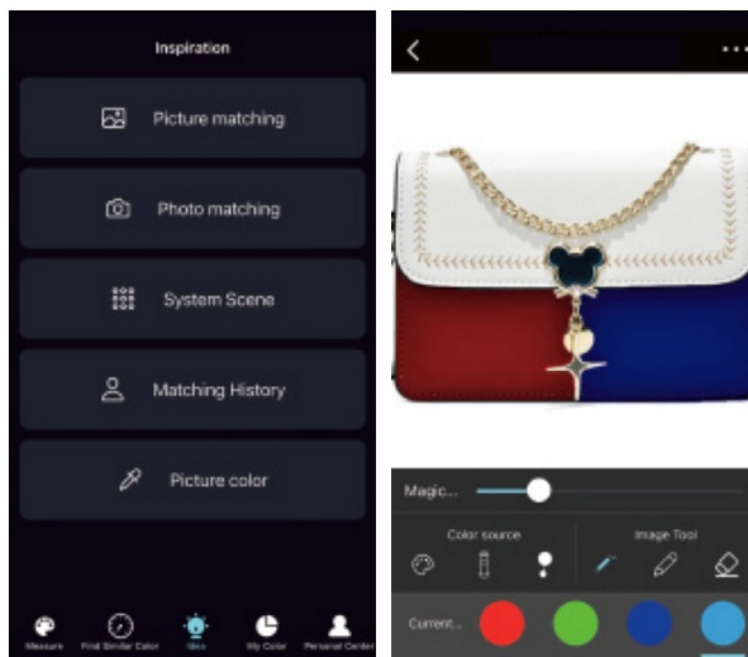


How to modify tolerance



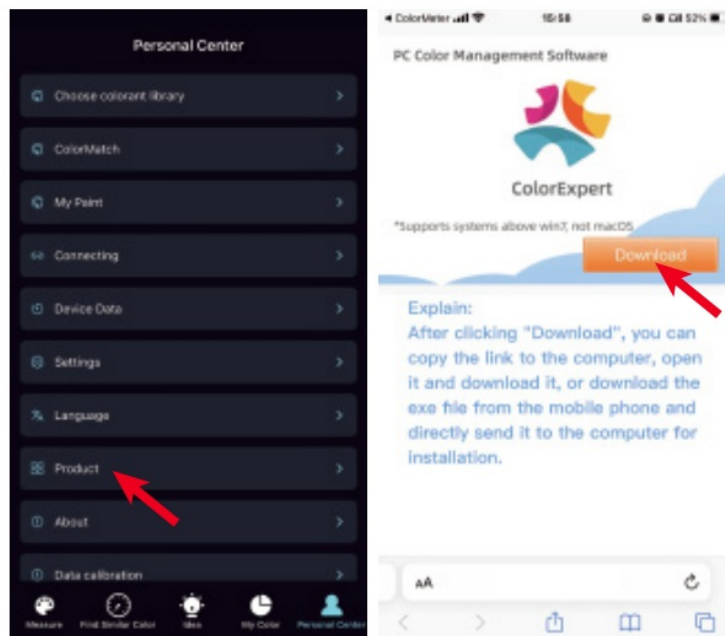
You can set the tolerance of L, a, b or dE*ab separately. If you have high requirements for color difference, you can reduce the tolerance. If you have low requirements for color difference, you can increase the tolerance.

Inspiration function



In the inspiration function, you can match your pictures with the colors you like. You can find colors in the color card or use a colorimeter to measure a color in real time to stimulate your design inspiration.

Computer management software



Technical parameter

Geometry	45/0
Calibration	Automatic
Light source	LED
Observer angle	2°,10°
Wavelength range	400-700nm
Wavelength interval	10nm
Measurement time	1s
Screen	135*240,1.14inch
Software	iOS,Andriod,Windows
Weight	about 75g
Volume	Diameter:33mm,Height:84mm
Storage	App mass storage

Note

- If you just receive the goods and find that the instrument does not display when it is turned on, try charging for 10 minutes and then try again.
- The calibration whiteboard is the basic guarantee for the accuracy of the instrument.
- It must be well protected and not dirty.
- Please ensure that the surface of the tested sample is flat and the color is uniform, otherwise the measurement accuracy will be affected.
- If the instrument prompts to calibrate, please calibrate according to the prompts before measuring to ensure accurate measurement.

- Do not attempt to disassemble or replace any part of the instrument.
- Do not place the instrument near heat source or directly expose to the fire.
- If any liquid enters the instrument, please power off the instrument immediately.
- This product contains small parts. It may cause suffocation and other hazards, if swallowed by children.

Maintenance Regulations

Reminder

It is recommended that keep the packing box for at least 30 days as the packing box is required to ensure the safety of transportation.

Non warranty regulations


1. Unauthorized repair, misuse, accident, modification, use of non-official accessories.
2. Instrument is out of warranty.
3. Damage caused by force.
4. Not the performance failure listed in the product performance failure table.
5. Performance failure caused by human factors.

Performance Failure Table

1. The instrument can't power on.
2. The instrument's button can't work normally.
3. Instrument screen fails to work normally.
4. Instrument light source fails to work normally.

VEYKOLOR

Documents / Resources

	<p>VEYKOLOR CP422000 Color Sensor Colorimeter [pdf] Instruction Manual CP422000 Color Sensor Colorimeter, CP422000, Color Sensor Colorimeter, Sensor Colorimeter</p>
---	---

References

- [User Manual](#)

Manuals+. Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.