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> Pro Digital Pocket Colorimeter, Magnetic Design of Calibration Cover, Easy to Use Paint Plastic Color Difference Detection Tool

## Vinckolor Pro Digital Pocket Colorimeter

# Vinckolor Pro Digital Pocket Colorimeter User Manual

Model: Pro Digital Pocket Colorimeter

Brand: Vinckolor

## 1. INTRODUCTION

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The Vinckolor Pro Digital Pocket Colorimeter is an advanced tool designed for precise color difference detection in various materials like paint and plastic. It offers a magnetic calibration cover for convenience and supports both standalone operation and mobile app connectivity for enhanced functionality. This manual provides comprehensive instructions for setting up, operating, and maintaining your colorimeter to ensure optimal performance.



Image: Vinckolor Pro Digital Pocket Colorimeter in use with its companion mobile application.

## 2. SAFETY INFORMATION

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- Keep the device dry. Do not expose it to moisture or extreme temperatures.
- Avoid dropping the device or subjecting it to strong impacts.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel.
- Use only the specified charging cable and power adapter to prevent damage.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

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Please check the package contents upon unboxing:

- Vinckolor Pro Digital Pocket Colorimeter
- Magnetic Calibration Cover

- USB Type-C Charging Cable
- User Manual (this document)



Image: The colorimeter with its magnetic calibration cover detached, showing the measurement port.

## 4. SETUP

### 4.1 Charging the Device

Before first use, fully charge the colorimeter using the provided USB Type-C cable. Connect the cable to the Type-C interface on the device and a suitable USB power source. The battery indicator on the IPS screen will show charging status.



Image: Key features of the colorimeter, including the Type-C charging port.

### 4.2 App Download and Registration

For extended functionality and data management, download the "ColorMeter" app. You can scan the QR code below or visit the provided link to download the application. Follow the in-app instructions for registration, which typically involves entering an email (Gmail or Outlook recommended) and a verification code sent to your email, followed by setting a password.



Scan this QR code to download the "ColorMeter" app.

Alternatively, download from: [ColorMeter App Download Link](#)

### 4.3 Connecting to the App (Bluetooth)

Ensure Bluetooth is enabled on your mobile device. Open the "ColorMeter" app and follow the prompts to connect to your Vinckolor Pro. The device's serial number (SN) can be found on the calibration cover.



Image: App interface showing the 'Connect' button for Bluetooth pairing.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Auto-Calibration

The Vinckolor Pro features automatic calibration. Simply place the magnetic calibration cover onto the device. The device will perform a self-calibration, ensuring accurate measurements. This eliminates the need for cumbersome manual calibration.

Your browser does not support the video tag.

Video: Demonstrates the automatic calibration process by placing the magnetic cover on the device. This video highlights the ease of use and self-calibration feature of the Vinckolor Pro colorimeter.



Image: Diagram illustrating the simple one-press operation for taking a measurement.

## 5.2 Stand-alone Measurement

The device can be used independently without the app. Simply place the measurement aperture firmly against the surface of the object you wish to measure and press the top button. The color values (e.g.,  $L^*a^*b^*$ ) will be displayed directly on the 1.14-inch full-color IPS screen.



Image: Taking a direct color measurement using the device's screen.



Image: The colorimeter being used to capture color from a wall surface.

### 5.3 Using with the ColorMeter App

The ColorMeter app unlocks the full potential of your Vinckolor Pro, offering advanced features for color analysis, management, and inspiration.

- **More Measurement Systems:** The app provides access to over 30 color parameters and 26 light sources, allowing for comprehensive color analysis beyond the basic L\*a\*b\* values. You can switch between various color spaces like CIE Lab, LCh, RGB, Hex, and more.



### Capture Your Favorite Colors Instantly

Just place VINCKOLOR PRO on the surface of the object and press the top test button to capture your favorite color instantly.

You can use this color value to design your color scheme, apply it to design software, such as PS, AI, etc., and buy the paint of this color.

Image: The ColorMeter app displaying various measurement systems and settings.

- **Color Matching:** Use the app to compare measured colors against target colors. The app will display the color difference ( $\Delta E_{00}$ ) and indicate whether the match passes or fails based on set tolerances.



Image: Color matching functionality within the app, showing target and sample comparison.

- **Color Saving and Management:** Save your measured colors to a personal library within the app. This allows you to organize and revisit your color data anytime.



Image: The app's 'My Color' section for saving and managing measured colors.

- **Color Sharing:** Easily share your color data with others. The app supports sharing color files, QTX files, and CSV files, facilitating collaboration in design and production workflows.



Image: Options for sharing color data from the app.

- **Color Inspiring:** Utilize the app's "System Scene" feature to visualize how a measured color would look in different environments or apply it to design software like Photoshop (PS), Illustrator (AI), etc.



Image: The app's color inspiring feature, allowing users to apply colors to virtual scenes.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use abrasive cleaners or solvents. Ensure the measurement aperture and IPS screen are free from dust and debris.
- **Storage:** Store the colorimeter in a cool, dry place, away from direct sunlight and extreme temperatures. Always

keep the magnetic calibration cover on the device when not in use to protect the measurement optics and ensure proper auto-calibration.

- **Battery Care:** For optimal battery life, avoid fully discharging the device frequently. Charge it regularly, even if not in constant use.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not turning on.	Low battery.	Charge the device fully.
Inaccurate measurements.	Device not calibrated; dirty measurement aperture; unstable surface.	Ensure auto-calibration is complete; clean the aperture; measure on a flat, stable surface.
Cannot connect to app via Bluetooth.	Bluetooth off; device not in pairing mode; app issues.	Ensure Bluetooth is on; restart both device and app; check app permissions.
App registration issues (e.g., no verification code).	Email server delay; incorrect email; spam folder.	Check spam/junk folder; try again later; ensure correct email address; try a different email provider (Gmail/Outlook recommended).

## 8. SPECIFICATIONS

Feature	Detail
Model	ColorMeter-Exact (CM190013S)
Repeatability (Short Term)	$\Delta E_{00} \leq 0.05$
Inter-Instrument Agreement	$\Delta E_{00} < 0.3$ (Avg)
Optical Geometry	45/0
Measurement Size	4mm Diameter
IPS Screen Size	1.14in Full Color
Connectivity	USB, Bluetooth
Light Source	Full Spectrum LEDs
Dimensions	37mm x 102mm (approx. 1.3 x 3.3 inches)
Compatibility	Android, iOS, Windows
Battery Capacity	12,000 scans (760 mAh) per charge
Wavelength Range	400-700 nm
Measurement Time	1s



REPEATABILITY (SHORT TERM)  
 $\Delta E_{00} \leq 0.05$

WORKING MODE  
WITH OR WITHOUT APP

INTER-INSTRUMENT AGREEMENT  
 $\Delta E_{00} < 0.3$  (AVG)

OPTICAL GEOMETRY  
45/0

MEASUREMENT SIZE  
4MM DIAMETER

BATTERY CAPACITY  
12,000 SCANS

IPS SCREEN SIZE  
1.14IN FULL COLOR

CONNECTIVITY  
USB, BLUETOOTH

LIGHT SOURCE  
FULL SPECTRUM LEDS

DIMENSIONS  
37MM X 102MM

COMPATIBILITY  
ANDRIOD, IOS, WINDOWS

Image: Detailed technical specifications of the colorimeter.



Image: Physical dimensions of the colorimeter.

## 9. WARRANTY AND SUPPORT

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The Vinckolor Pro Digital Pocket Colorimeter comes with a standard manufacturer's warranty. For specific warranty terms, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official Vinckolor website. Keep your proof of purchase for warranty claims.