

Nix Spectro 2 5mm

Nix Spectro 2 Spectrophotometer 5mm User Manual

Professional and Portable Color Measurement

1. INTRODUCTION

Welcome to the Nix Spectro 2 Spectrophotometer 5mm user manual. This document provides essential information for the proper setup, operation, and maintenance of your device. The Nix Spectro 2 is a professional-grade, portable color measurement tool designed for various applications including print, packaging, paint, and coatings, offering unmatched accuracy and versatility.

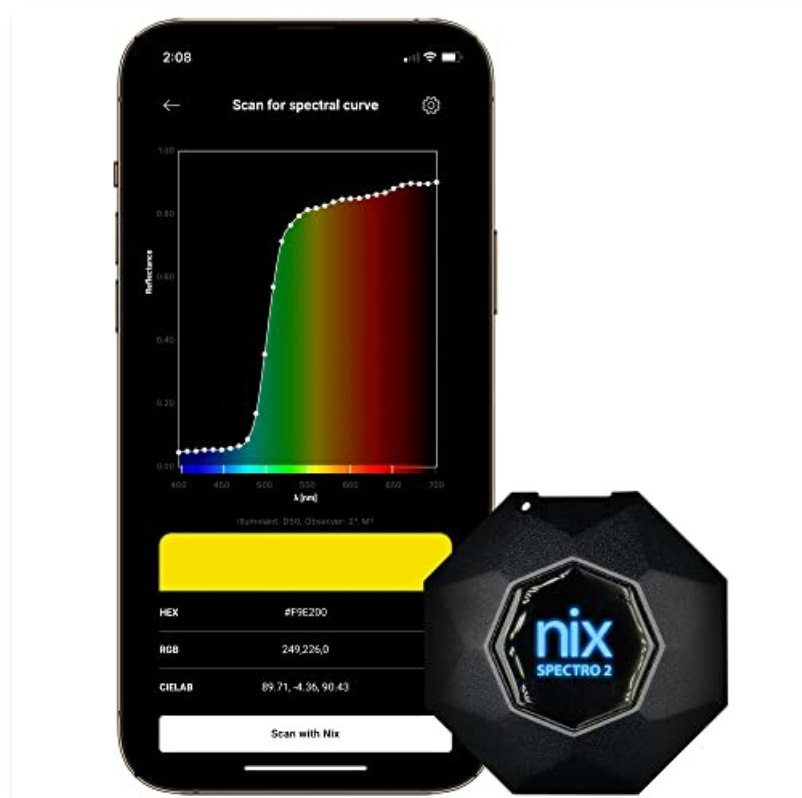


Figure 1: The Nix Spectro 2 Spectrophotometer 5mm device.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using the Nix Spectro 2. Failure to follow these instructions may result in injury or damage to the device.

- Do not expose the device to extreme temperatures, moisture, or direct sunlight.
- Avoid dropping the device or subjecting it to strong impacts.
- Use only the provided charging cable and power adapter.
- Keep the measurement aperture clean and free from debris.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.

3. PACKAGE CONTENTS

Verify that all items are present in your Nix Spectro 2 package:

- Nix Spectro 2 Spectrophotometer (5mm aperture)
- USB-C Charging Cable
- Precision Ceramic Calibration Tile
- Quick Start Guide



Figure 2: The Nix Spectro 2 device with its illuminated logo.

4. SETUP

4.1 Charging the Device

Before first use, fully charge your Nix Spectro 2. Connect the provided USB-C cable to the device and a

compatible USB power source. The indicator light will show charging status.

4.2 App Installation

The Nix Spectro 2 operates in conjunction with the free Nix Toolkit App. Download the app from your device's app store:

- For iOS devices: Search for "Nix Toolkit" in the [Apple App Store](#).
- For Android devices: Search for "Nix Toolkit" in the [Google Play Store](#).

Follow the on-screen instructions to install the app and pair your Nix Spectro 2 via Bluetooth.

4.3 Calibration

Regular calibration ensures accurate measurements. Calibrate your device using the included precision ceramic calibration tile:

1. Ensure the calibration tile is clean and free of dust or smudges.
2. Open the Nix Toolkit App and navigate to the calibration section.
3. Place the Nix Spectro 2 firmly on the white area of the calibration tile.
4. Follow the app's prompts to complete the calibration process.

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Video 1: An explainer video demonstrating the features and usage of the Nix Spectro 2, including calibration and measurement.

5. OPERATING INSTRUCTIONS

5.1 Taking a Measurement

To measure a color:

1. Ensure your Nix Spectro 2 is connected to the Nix Toolkit App.
2. Place the device firmly and flat against the surface you wish to measure.
3. Tap the 'Scan' button within the app. The device will emit a light and vibrate to indicate a successful scan.
4. The measurement results will appear instantly on your connected device.



Figure 3: A user performing a color scan with the Nix Spectro 2, displaying results on a smartphone.

5.2 Using the Nix Toolkit App

The Nix Toolkit App unlocks the full potential of your Spectro 2, providing a suite of features for comprehensive color analysis:

- **CMYK, Ink Density, RGB, HEX, and Delta-E:** Instantly recognize and analyze color values across various color models.
- **Paint Libraries:** Access a vast library of over 200,000 paint colors from leading brands.
- **Custom Libraries:** Create and manage your own cloud-integrated color libraries for specific projects or clients.
- **Spectral Data:** View the full spectral curve of your measurements for in-depth color analysis.
- **Color Comparison:** Compare two colors to determine their Delta-E difference.
- **Premium Libraries:** Enhance compatibility with Pantone, RAL, and NCS libraries through subscription.

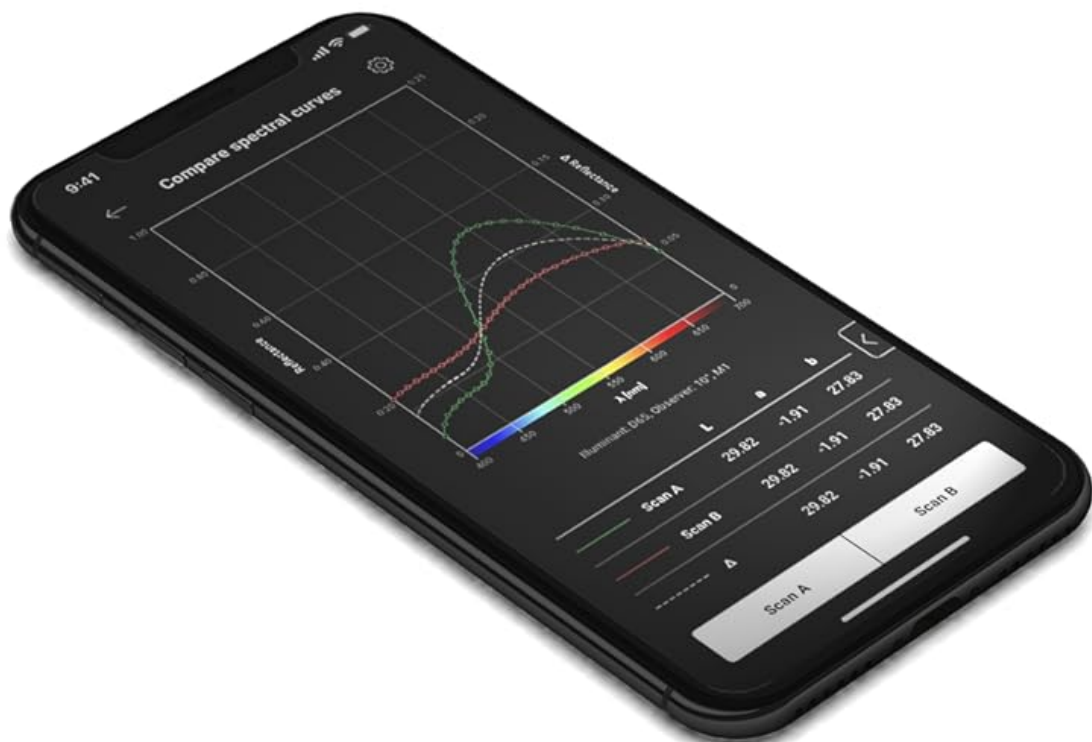


Figure 4: The Nix Toolkit App displaying a comparison of spectral curves.



Figure 5: Matching colors to custom libraries within the Nix Toolkit App.

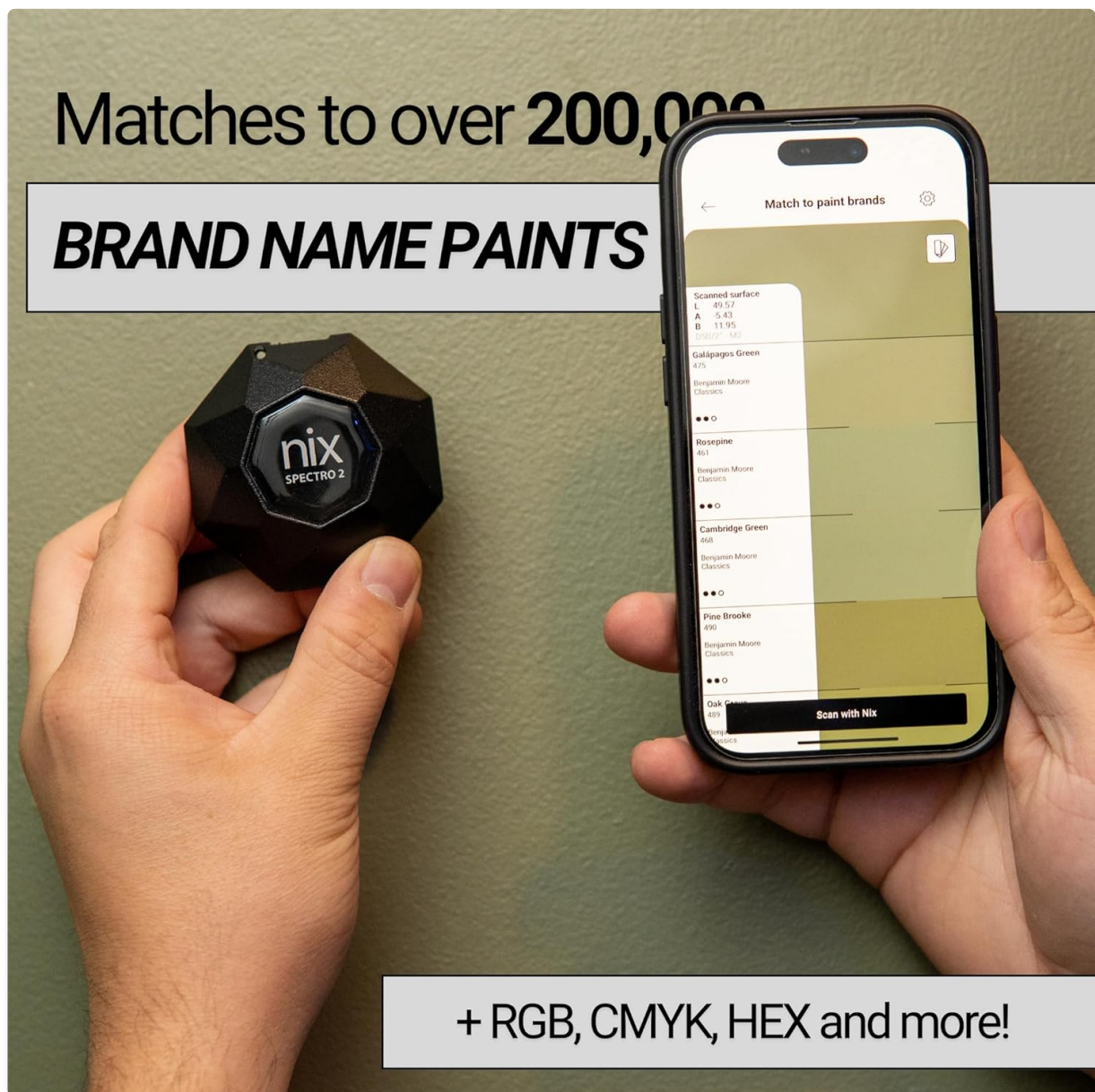


Figure 6: The Nix Spectro 2 matching a scanned color to brand name paints.

6. MAINTENANCE

6.1 Cleaning

To maintain optimal performance, keep your Nix Spectro 2 clean:

- Gently wipe the device's exterior with a soft, dry, lint-free cloth.
- For the measurement aperture, use a lens cleaning cloth or a soft brush to remove dust. Do not use abrasive materials or liquid cleaners directly on the aperture.
- Clean the calibration tile regularly with a soft cloth to ensure accurate calibration.

6.2 Storage

Store your Nix Spectro 2 in a safe, dry place away from extreme temperatures and direct sunlight. The device's solid metal, powder-coated body is designed for durability, but proper storage will prolong its lifespan.



Figure 7: The Nix Spectro 2 is compact and can be easily stored in a toolbag.

7. TROUBLESHOOTING

If you encounter issues with your Nix Spectro 2, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Device not turning on	Low battery	Charge the device using the USB-C cable.
Cannot connect to app	Bluetooth off, device out of range, or app issue	Ensure Bluetooth is enabled on your phone, device is within range, and restart the app/device.
Inaccurate measurements	Device not calibrated, dirty aperture/tile, or improper placement	Perform calibration, clean the aperture and tile, ensure firm and flat placement on the surface.
App crashing or freezing	Software bug or compatibility issue	Update the app to the latest version. If the problem persists, reinstall the app or contact support.

8. SPECIFICATIONS

Key technical specifications for the Nix Spectro 2 Spectrophotometer 5mm:

Feature	Detail
Aperture Size	5mm
Sensor	31 UV-visible channels
Measurement Speed	1 scan/second
Connectivity	Bluetooth
Charging	USB-C

Feature	Detail
Battery	1 Lithium Polymer (included)
Construction	Solid metal, powder-coated body
Dimensions	13.43 x 10.31 x 4.53 inches (Package)
Item Weight	3.45 pounds
Manufacturer	Nix Sensor Ltd.

9. WARRANTY AND SUPPORT

The Nix Spectro 2 Spectrophotometer is backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Nix Sensor website. For technical support, troubleshooting assistance, or to inquire about repairs, please contact Nix Sensor Ltd. customer service.

You can find additional resources and contact information on the Nix Sensor website: www.nixsensor.com.