Gooch & Housego
ENABLING PHOTONIC TECHNOLOGIES

WELCOME TO THE FUTURE OF COLOR

The Nix Pro Color Sensor is the industry-grade colorimeter that anybody can use.

NIX PRO TECH SPECS

Textiles & Fabrics | Paints & Coatings | Food & Agriculture | Printing & Imaging | Health & Beauty | Industrial

Nix Pro Color Sensor technical information is provided by Nix Sensor Ltd. For updated or additional information, please contact info@nixsensor.com or call +1.800.649.1387

NIX PRO: THE TAPE MEASURE FOR COLOR

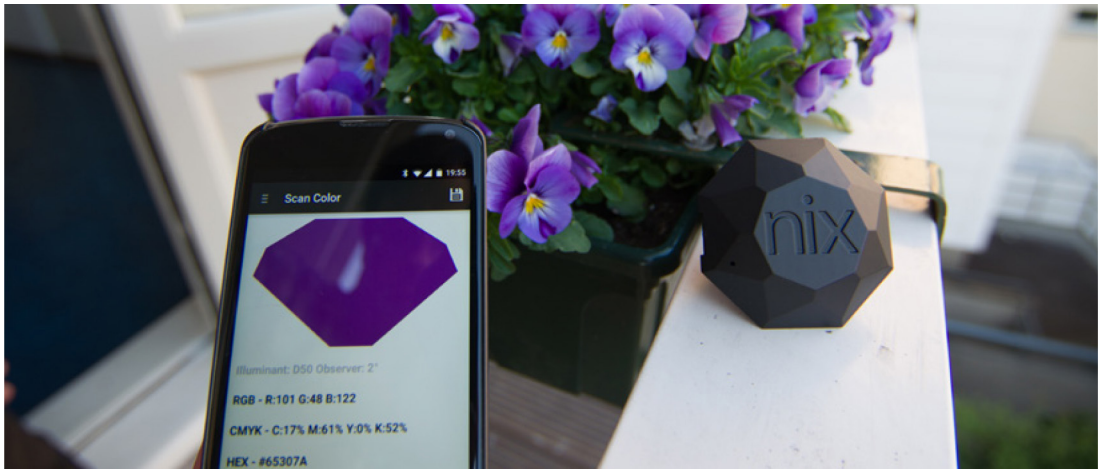
The Nix Pro Color Sensor is the industry-grade colorimeter that anybody with a smartphone or tablet can use. This easy to use device is the ideal tool for measuring any color critical surface.

BEST-IN-CLASS ACCURACY

We'll put it simply; unlike other handheld colorimeters, the Nix Pro is very accurate. All of our sensors are assembled and individually calibrated in our Canadian laboratory, which means you can trust that the color data is exact.

INTUITIVE USER INTERFACE

We've replaced swatch books, fan decks, and paper readouts with an intuitive smartphone interface that can be customized to suit any workflow. With the Nix Pro, you can scan any surface, save the color to your smartphone or tablet, and export that data for quality control.



HASSLE-FREE OPERATION

Since all devices are individually calibrated in-house, the Nix Pro is ready-touse out of the box. Gone are the days of relying on calibration tiles.

SEAMLESS PROCESS INTEGRATION

The Nix Pro provides color readouts in RGB, CMYK, CIELAB and more, and can calculate color differences in Delta-E76 or Delta-E2000. You can even upload your own color database to the app and get best-match reports.

ENGINEERED FOR ACCURACY

We have spent years perfecting the Nix Pro technology to achieve performance levels that meet strict industry requirements, with a repeatability of less than 0.1 Delta-E2000 both in the lab and in the field. Here's how we can make a handheld device so accurate:

BLOCKING OUT ALL AMBIENT LIGHT

The Nix Pro's patented shape is designed to block out ambient light, providing superior accuracy when scanning colors. The Nix Pro also produces its own calibrated high-CRI light source, which enables it to precisely reproduce color.

45 / 0° MEASUREMENT GEOMETRY

The Nix Pro has a 45/0° measurement geometry, which enables accurate color readings on a wide variety of surfaces. It is the known industry standard for reducing error from glossy surfaces.

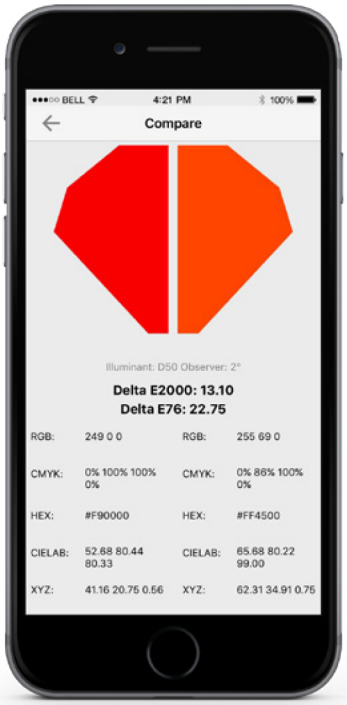
PROPRIETARY CALIBRATION ALGORITHM

Our engineers and physicists have developed a factory calibration process that provides you with exceptional accuracy as well as inter-instrument agreement. This reduced downtime means you can start using the Nix Pro as soon as you open the box.

NO EXTRA PARTS

Calibration tiles can get dropped, soiled, lost, and will fade over time. The Nix Pro Color Sensor is calibrated by our engineers instead of by users in the field, which means that it can be used anywhere, by anyone.

COMPARE COLOR EASILY

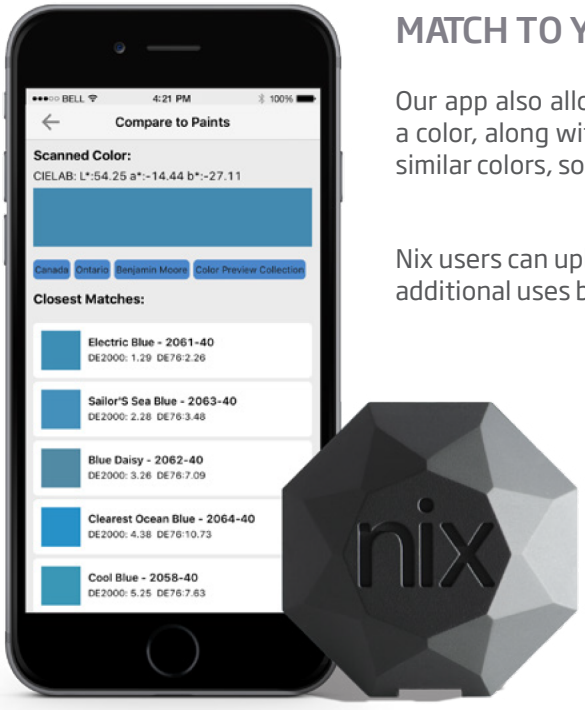


DELTA-E76 & DELTA-E2000 MEASUREMENTS

The Nix Pro Color Sensor makes color measurment straightforward and intuitive. Each system provides Delta-E76 and Delta-E2000 readouts accurate to two decimal places. Users can compare colors from three different sources:

- Scan a color directly with the Nix
- Select a saved color
- Enter a color manually

The app will also display the RGB, CMYK, HEX, CIELAB, and XYZ values for each color, which enables users to quantify precisely how they are different.



MATCH TO YOUR EXISTING LIBRARIES

Our app also allows users to find the closest match from an existing library. Simply select a color, along with the library you want to compare to. The library will then display a list of similar colors, sorted by their Delta-E2000 value with respect to the specified color.

Nix users can upload their own library into the app using a .csv file, allowing for a number of additional uses beyond paints and vinyls.

SPECIFICATIONS & FEATURES:

TECHNICAL SPECIFICATIONS

Measuring Geometry	45 / 0°
Light Source	2x High-CRI LEDs designed specifically for color reproduction.
Repeatability	< 0.1 DE2000
Inter-Instrument Agreement	Average of < 0.7 DE2000
Aperture Size	Circular, 15mm diameter
Battery	Rechargeable Lithium Polymer battery; >3000 scans/charge
Interface	Bluetooth Low Energy & USB
Weight	43g
Dimensions	60mm x 42mm (w x h)

FUNCTIONAL DATA

Color Systems	CIELAB, XYZ, RGB, CMYK, HEX
Color Difference	DE76, DE2000
Illuminants	A, C, D50, D55, D65, D75
Observer Angles	2°, 10°

ADDITIONAL FEATURES

SAVE SCANNED COLORS
Save millions of colors to your smartphone or tablet, and organize them with a simple folder system.

CSV EXPORT
Export your scans to a .csv file for quality control, batch analysis, and record-keeping.

AVERAGING MULTIPLE SCANS
Take up to 10 scans and receive an average value - perfect for textured surfaces.

COLOR CALCULATOR
Use your phone or tablet to convert between CIELAB, XYZ, RGB, CMYK, and HEX in seconds.

COMPARE TO COLOR LIBRARY
Compare a scanned color to a database to find a best match, sorted by DE2000.

SMARTPHONE COMPATIBILITY

APPLE COMPATIBILITY
Compatible with iPhone 4S and above, iPad 3rd Generation and above, iPad Mini, and the iPod Touch 5th Generation.

ANDROID COMPATIBILITY
Compatible with Android phones with BLE 4.0, and operating system 4.3 and above.

NIX COMPETITIVE ADVANTAGES

NIX PRO COLOR SENSOR

- Patented shape that blocks out all ambient light while enabling precise sensor placement
- Intuitive interface that can be adjusted to fit unique use cases
- Has no moving parts, is durable, and easy to clean
- Our factory-calibrated sensors require no user calibration which minimizes downtime
- Capable of comparing between two colors (DE76 and DE2000)
- Best-match finding with pre-loaded color databases
- 45/0° measurement geometry optimizes accuracy on glossy surfaces
- No calibration tiles or stickers that can get lost, damaged, faded, or soiled
- Wireless use for maximum portability
- Up to 3,000 scans or six months standby on a single charge
- The sensor hardware can be white-labeled

The Nix Pro Color Sensor is a unique and remarkable device that offers industry grade color accuracy without the frustration of using a fan deck or the difficulty of using a spectrophotometer.