The world's true measure of color

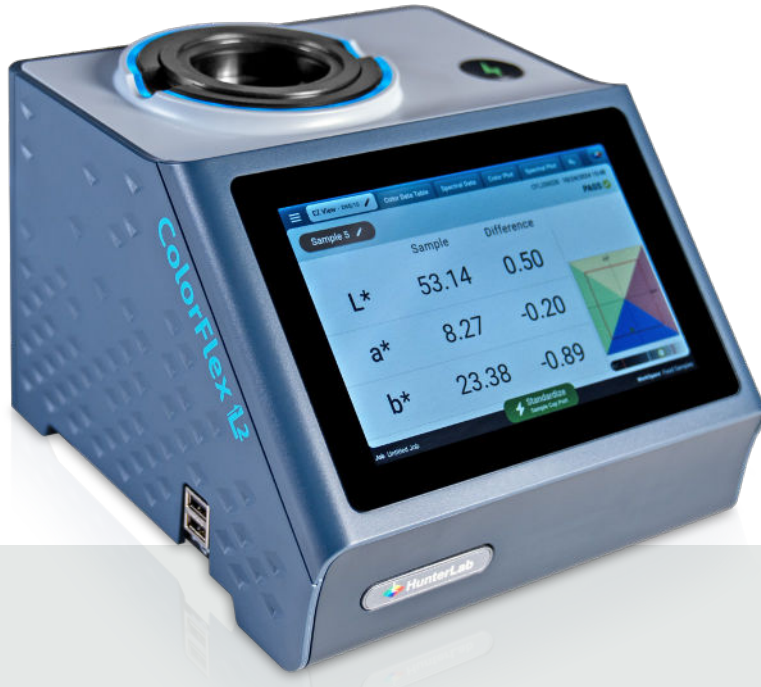**HunterLab**

ColorFlex® L2

Level UP your Color Confidence with the new ColorFlex L2 Spectrophotometer.

As simple as you want, as powerful as you need.

Elevate your color accuracy and user experience like never before. Designed to streamline and expedite your quality control processes, ColorFlex L2 Spectrophotometer gives you unsurpassed confidence and trust in your outcomes. Compact and ergonomic build requires minimal space while offering enhanced durability and reliability.
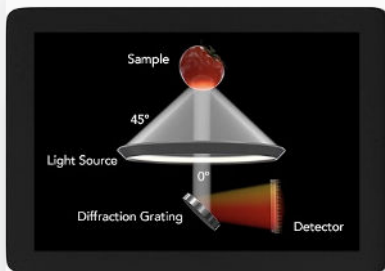
Explore the Next-Gen
ColorFlex®...L2

Precise color measurement for everything from opaque solids, liquids, powders, granules and pellets to translucent solids and liquids. We have upgraded the most relied upon 45°/0° spectrophotometer in the world, ColorFlex EZ, to the new ColorFlex L2 with the most advanced color technology.

Explore all the additional features and benefits below.

45°a:0° Annular Illuminated Optical Geometry

Superior Consistency and Color Accuracy: Enhancing the efficiency of Quality Control workflows and delivery of superior quality products repeatedly.

Compact with Sealed Spillproof Case

Space-Saving and Easy Maintenance: Occupies minimal space and is designed to withstand the demands of busy lab environments.

Powerful Standalone Functionality

No computer required: With huge onboard processing and storage capacity, ColorFlex L2 can function as an independent color workstation. Connect monitor, keyboard, and mouse if desired.
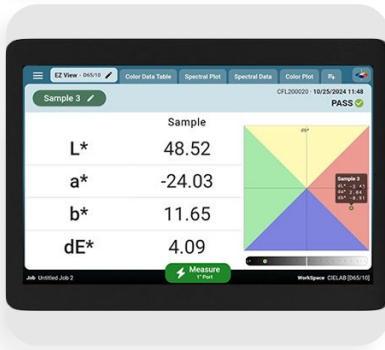
Sliced Cheese   SPICES   flour   POWDERED SPORTS DRINKS   Yogurt

Calcium Carbonate   Puree

BABY FOOD   Coffee - Green beans, Roasted, Ground & Brewed   mustard   barium sulfate

Baking Powders   Citrus Juice   Herbs   Cocoa Powder   CEMENT

Modern Smart User Interface with Touchscreen Color Display

Durable and Efficient: Facilitates accurate color measurement in seconds, with a robust industrial glass design suitable for harsh environments.
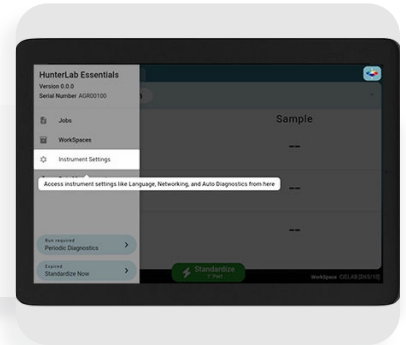
New & Improved Color Software

Essentials 2.0: Take precise and reliable color measurement in seconds with next-gen user-friendliness and seamlessly analyze multiple tristimulus and spectral data sets. It's that powerful.
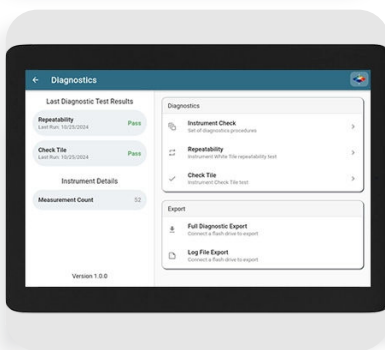
Self-Guided and Intuitive Out-of-Box Startup

Time-Saving and User-Friendly: Ready to use straight out of the box with an integrated wizard for quick training, reducing operator time and easing concerns related to staff training and turnover.

Built-in Camera for Sample Viewing and Screen Recording

Precision and Communication: Ensures accurate sample positioning to eliminate measurement discrepancies and allows easy sharing of recordings for swift quality control decisions.

Built-in Advanced Diagnostics

On-Board Diagnostic Health Check: Ensures the HunterLab ColorFlex L2 is always operating at peak performance, continuing to build on the legendary history of reliability of the ColorFlex family of instruments.

Powdered Sugar
BAKING CHIPS
Concrete
Powdered Functional Beverages
Fertilizers
Magnesium Sulfate
tea drinks (powder)
Starch
shortening
WHITE SUGAR
RAW GRAINS
powdered cheese
SEASONINGS
Orange Juice
Brown Sugar

Advanced Data Export and Communication

Full Suite of Data Communication Options: Features Ethernet and USB port for easy data export and printing. HDMI and additional USB port for mouse, keyboard and other accessories.

Connectivity with LIMS and SPC systems

Simplifies QC workflows: Aids in trend analysis and workflow simplification across manufacturing sites.

CONTACT US

We've worked with thousands of companies, but you'll feel like our one and only. If color accuracy is crucial to your business, you've come to the right place—with the right people. Let's get in touch. Ask a question, Request a quote or just say hello!

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SPECIFICATIONS

ColorFlex® L2

MEASUREMENT

Measurement Principle:	Port up or Port forward dual-beam spectrophotometer
Geometry:	45°a:0° Annular Illuminated Optics, ASTM E1164
Spectrophotometer:	Sealed optics; 256-element diode array and a high resolution concave holographic grating
Port Diameter/View Diameter:	31.8 mm (1.25 in) illuminated/ 25.4 mm (1 in) measured
Specular Component:	Excluded
Spectral Range:	Range: 400 nm - 700 nm
Spectral Resolution:	< 3 nm
Effective Bandwidth:	10 nm equivalent triangular
Reporting Interval:	10 nm
Photometric Range:	0 to 150 %
Light Source:	Full spectrum Xenon Flash Lamp
Measurement Duration:	1 second
Lamp Life:	10 years typical
Illumination:	Factory Calibrated Xenon for Brightness, Whiteness, and Tint
Standards Conformance:	CIE 15:2018, ASTM E1164, DIN 5033, Teil 7 and JIS Z 8722 Condition C
Standards Traceability:	Instrument standard assignment in accordance with National Institute of Standards and Technology (NIST) following practices described in CIE Publication 44 and ASTM E259

PERFORMANCE

Inter-Instrument Agreement:	Color: ΔE*2000 < 0.15 D65/10 (Avg) on BCRA CCSII Tile
Colorimetric Repeatability:	Color: ΔE*< 0.05 D65/10 (Max) on White Tile

USER INTERFACE

Data Views:	Color Data, Spectral Plot, EZ View, Tristimulus Color Plot, Pass/Fail Color Indication, Time, and Date Stamp, Auto-naming, Auto-saving, Data backup, Image Capture via High-resolution Camera
USB Flash Drive Features:	Job Data, Sample Images, Screen Capture and Database Export
Other Features:	Pass/Fail, Average Multiple Measurements, Set Multiple Automatic Measurements
Illuminants:	A, C, D50, D55, D65, D75, F02, F07, F11
Observers:	2° and 10°
Color Scales:	CIE L*a*b*, Hunter Lab, CIE L*C*h, CIE Yxy, CIE XYZ, Rd,a,b
Color Differences:	ΔL*a*b*, ΔLab, ΔL*C*h, ΔYxy, ΔXYZ, ΔE, ΔE*, ΔE*2000, ΔH*, ΔC*, ΔEcmc
Indices and Metrics:	E313 Whiteness and Tint (C/2°, C/10°, D65/2° or D65/10°), E313 Yellowness (C/2°, C/10°, D65/2° or D65/10°), D1925 Yellowness (C/2°), Y Brightness, Z%, 457 nm Brightness, Opacity, Color Strength (Average and Single Wavelength), Gray Scale, Gray Stain, Metamerism Index
Data Storage:	1 million Records max; 8 GB
Languages:	Supports multiple languages—with the option to add more as needed

PHYSICAL / ELECTRICAL

Dimensions:	Height: 16 cm (6.25 in.) Width: 21 cm (8.75 in.) Depth: 24 cm (9.50 in.) Weight: 2.75 kg (6 lbs)
Display:	7" Touch screen, high resolution 1280x800
Interface:	2 USB ports, HDMI Video Output, Foot switch Input, Ethernet connection, USB Service Port, Convenient physical measurement/action button
Power:	90 – 240 VAC, 47 – 63 Hz to universal power supply @ 24 VDC/3.75A
Operating Environment:	10° to 40 °C (50° to 104 °F), 10 % to 90 % RH, noncondensing
Storage Environment:	-20° to 65°C (-4° to 149° F), 10 % to 90 % RH, noncondensing
Standard Accessories:	• Calibrated Instrument Standard (White Tile) with Certificate of Traceability • Diagnostic Check Tile (Green Tile) • Reflectance Black Glass • Quick Start Guide • Port Plate - 31.8 mm (1.25 in) • Power Supply (90W)

For more information, please contact HunterLab at 703-471-6870, sales@hunterlab.com or visit www.hunterlab.com