

ACCESSORIES

ColorFlex® L2

HunterLab accessories are designed to enhance the functionality and precision of your color measurement instruments. From sample handling tools to protective components, these accessories ensure accurate results and seamless operation.

What's in the Box

All you need to get accurate color measurement in minutes!



- ColorFlex L2 Instrument • Standards Case • Diagnostic Check Tile (Green Tile) • Instrument Standard (White Tile)
- Reflectance Black Glass • Port Plate 31.8 mm (1.25 in) • Lens Wipes Power Supply • Quick Start Guide
- Stylus with Holder • Cleaning Cloth • Flash Drive • Remote Access Support Flyer

OPTIONAL ACCESSORIES



GLASS SAMPLE CUP 64mm (2.5 inch)

Optically clear glass cup for sample presentation of liquids, powders, granules and pellets.

04-7209-00



RING AND DISK SET

For use in the glass sample cup for sample presentation of liquids, powders, granules and pellets.

02-4579-00

ACCESSORIES



OPTIONAL ACCESSORIES



SAMPLE CUP OPAQUE COVER

Provides a light trap to exclude the interference of external light on the sample cup.

04-4000-00



OPEN PORT INSERT for Sample Cup

The open port insert centers the 64 mm (2.5") sample cup at the measuring port, with a drop-down lip for lens focus on the glass window's bottom.

04-6622-00



OPEN PORT INSERT 13 mm (0.5")

The open port insert is a field-replaceable, snap-in component that reduces the instrument's 25 mm viewing area to a smaller 13 mm diameter.

04-6623-05



OPEN PORT INSERT 19 mm (0.75")

The open port insert is a field-replaceable, snap-in component that reduces the instrument's 25 mm viewing area to 19 mm.

04-6623-08



OPEN PORT INSERT 25 mm (1")

The open port insert provides a field-replaceable, snap-in 25 mm (1") port insert that is open and masks the sample to the 25 mm viewing area of the instrument.

04-6623-09



OPEN PORT INSERT 25 mm (1") with Glass

The port insert is a field-replaceable, snap-in 25 mm (1") component with clear borosilicate glass, masking the sample to a 25 mm viewing area while protecting the instrument from particles.

02-6624-01



OPEN PORT INSERT 32 mm (1.25") with Glass

The port insert is a field-replaceable, snap-in 32 mm (1.25") component with borosilicate glass, masking the sample to a 32 mm viewing area and protecting the instrument from particles.

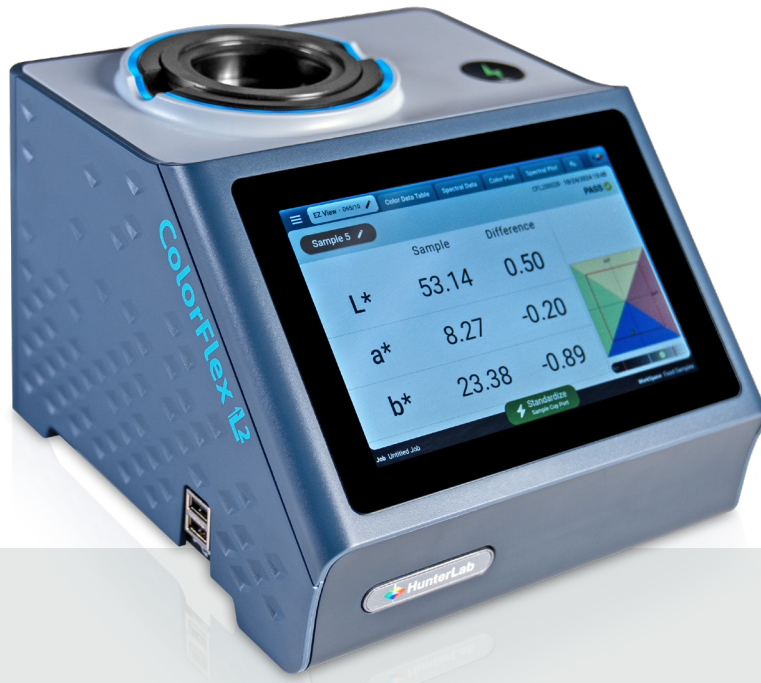
02-6624-05

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

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The accessories listed are compatible with ColorFlex L2 as specified. Availability, specifications, and features are subject to change without notice.

Compact
Powerful
Precise



ColorFlex[®] L2

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

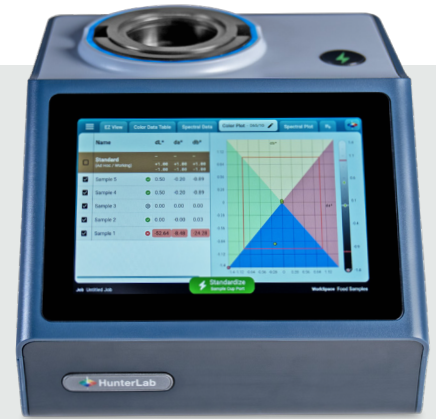
As simple as you want, as powerful as you need.

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.

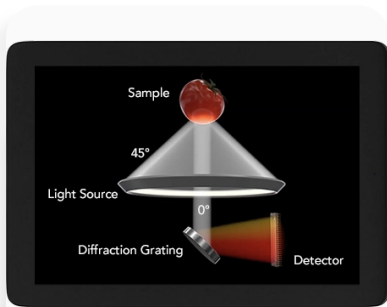


Explore the Next-Gen ColorFlex®...L2

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.

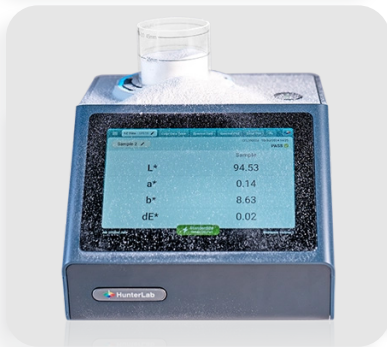


Explore all the additional features and benefits below.



45°/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.

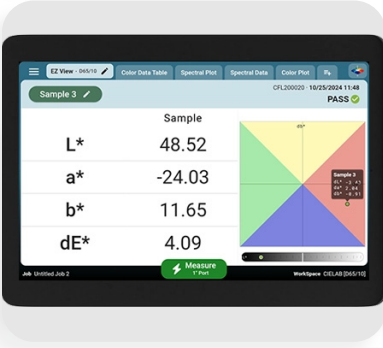


Sliced Cheese SPICES flour POWDERED SPORTS DRINKS Yogurt
Calcium Carbonate Puree mustards barium sulfate
BABY FOOD Coffee - Green beans, Roasted & Ground CEMENT
Baking Powders Citrus Juice Herbs Cocoa Powder



Modern Tablet 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.

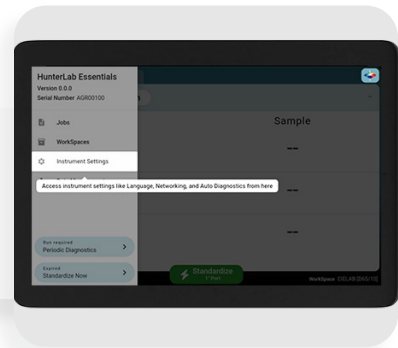


New & Improved Color Software

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.

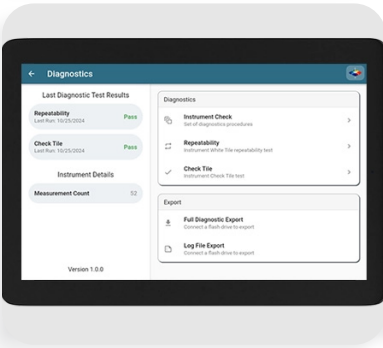
Self-Guided and Intuitive Out-of-Box Startup

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 Brown Sugar powdered cheese SEASONINGS Orange Juice



Advanced Data Export and Communication

Full suite of data communication options: Features USB ports, HDMI, and support for mouse and keyboard, enabling easy data export/printing.



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

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: $\Delta E^*_{2000} < 0.15$ D65/10 (Avg) on BCRA CCSII Tile
Colorimetric Repeatability:	Color: $\Delta E^* < 0.05$ 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:	$\Delta L^*a^*b^*$, ΔLab , ΔL^*C^*h , ΔYxy , ΔXYZ , ΔE , ΔE^* , ΔE^*2000 , ΔH^* , ΔC^* , ΔE_{cmc}
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 30°C (50° to 86° F), 10 % to 90 % RH, noncondensing
Storage Environment:	-20° to 65°C (-4° to 149° F), 10 % to 90 % RH, noncondensing
Standard Accessories:	<ul style="list-style-type: none">• Calibrated Instrument Standard (White Tile) with Certificate of Traceability• Diagnostic Check Tile (Green Tile)• Reflectance Black Glass• Port Plate - 31.8 mm (1.25 in)• Power Supply (90W)• Quick Start Guide

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