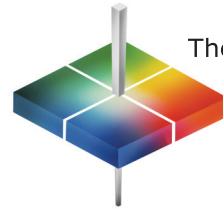


**Compact
Powerful
Precise**



The world's true measure of color

HunterLab



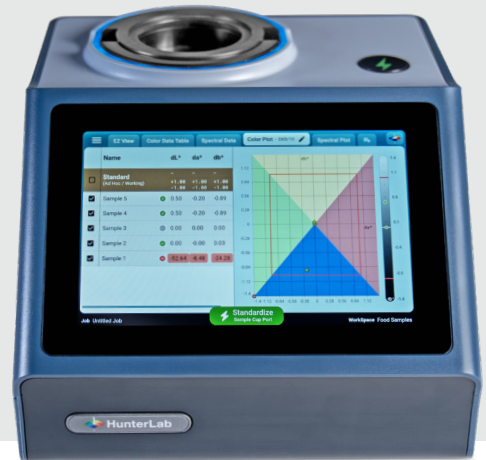
ColorFlex L2

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

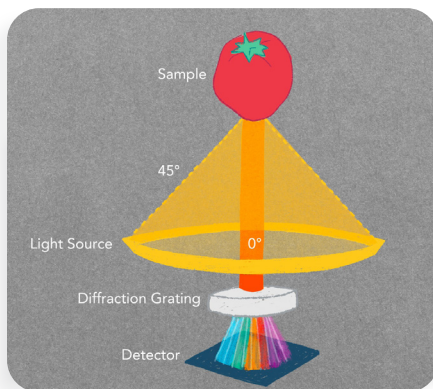


Explore the Next-Gen ColorFlex®...L2

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 all the additional features and benefits below.



45°/0° Annular Geometry

Superior Color Accuracy and Consistency: 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.

Sliced Cheese

SPICES

Puree

TOMATO KETCHUP

Yogurt

Tomato Paste

flour

mustard

barium sulfate

Baking Powders

Citrus Juice

Herbs

CEMENT



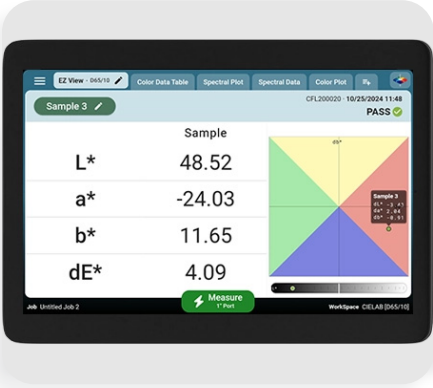
Powerful Standalone Functionality

No computer required: With an onboard computer and huge storage capacity, ColorFlex L2 can function as an independent color workstation. Connect monitor, keyboard and mouse if desired.



Modern Tablet User Interface with Touchscreen & Color Display

Durable and Efficient: Facilitates accurate color analysis in minutes, with a robust industrial glass design suitable for harsh environments.

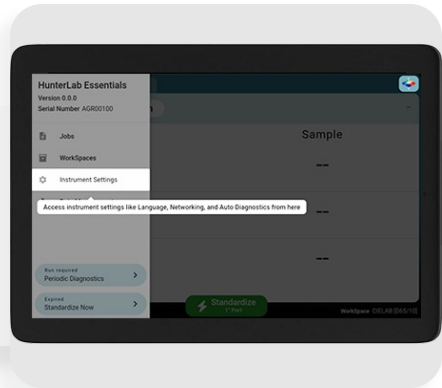


New & Improved Color Software

Essentials 2.0: Enhanced reliability and user-friendliness, providing essential color data swiftly and accurately.

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.



Powdered Sugar
tomato juice
RAW GRAINS

BAKING CHIPS
Magnesium Sulfate
Starch
powdered cheese

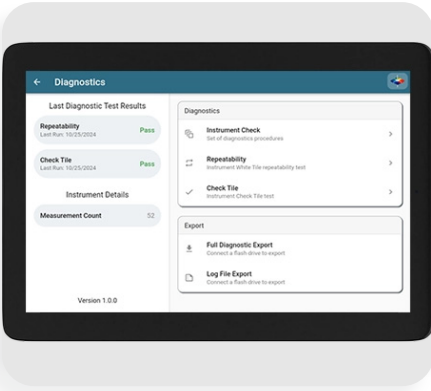
Powdered Functional Beverages
shortening
Orange Juice
Tomato Soup

WHITE SUGAR



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 device is always operating at peak performance.

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.



- Tea Drinks (powder)
- Calcium Carbonate
- POWDERED SPORTS DRINKS
- Fertilizers
- BABY FOOD
- Tomato Sauce
- Brown Sugar
- Coffee - Green beans, Roasted & Ground
- SEASONINGS
- Concrete
- Cocoa Powder



ColorFlex L2 Spectrophotometer helps you reduce wastage of your end products, contribute towards your sustainability goals, and boost brand image and bottom-line revenue.

Welcome **the next-gen ColorFlex**, without any interruptions!



From **OLD...**



...to **NEW**

We have upgraded the most relied upon 45°/0° spectrophotometer in the world, ColorFlex EZ, to the new ColorFlex L2. Offering you an even better user experience without any interruptions! You can easily transfer your ColorFlex EZ standards and data to the ColorFlex L2. Same xenon light source and 45/0 optics as the ColorFlex EZ provide seamless transition from old to new.

Despite its small size, requiring very little benchtop space, the ColorFlex L2 is powerful and designed to meet your specific color measurement needs.

The HunterLab Advantage

The ColorFlex L2 is backed by over 70 years of quality innovation and experience from HunterLab, the world's most trusted color quality experts.

With an unmatched reputation for delivering the right solution, HunterLab tailors products and technologies for every color measurement need and budget offering the broadest range of color measurement solutions in the industry.

Our industry-leading clients trust HunterLab spectrophotometers to benefit from the functionality and accuracy needed for color quality. For more information or to schedule a demo of ColorFlex L2, visit <https://www.hunterlab.com/en/contact/>.



SPECIFICATIONS



ColorFlex[®] L2

MEASUREMENT

Measurement Principle:	Port up or Port forward dual-beam spectrophotometer
Geometry:	45°/0° annular, 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
UV Content:	Calibrated, Fixed UV Content Level
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: $\Delta E_{2000}^* < 0.03$ D65/10 (Max) on White Tile



FIRMWARE

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 and recovery, Image Capture via High-resolution Camera
USB Flash Drive Features:	Backup of WorkSpaces and Jobs, Transfer WorkSpaces to Multiple Instruments, Data Export to Excel
Other Features:	Pass/Fail, Average Multiple Measurements, Search for Closest Standard, 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 Difference Scales:	$\Delta L^*a^*b^*$, ΔLab , ΔL^*C^*h , ΔYxy , ΔXYZ
Color Difference Indices:	ΔE , ΔE^* , ΔE^*2000 , ΔH^* , ΔC^* , ΔE_{cmc}
Indices and Metrics:	E313 Whiteness and Tint (C/2° or D65/10°), E313 Yellowness (C/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:	English, German, Traditional and Simplified Chinese, Spanish

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) • Diagnostic Check Tile (Green Tile) • Reflectance Black Glass • Port Plate - 25 mm (1 in) • Certificate of Traceability • Power Supply • Quick Start Guide • Built in Help Menus and Wizards

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

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 25 mm (1 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.

04-7209-00



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.

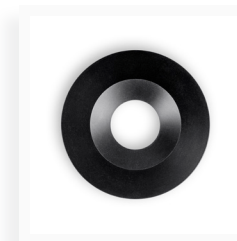
04-6623-08



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.

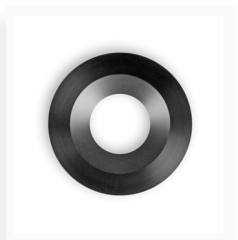
04-6623-09



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

HunterLab and ColorFlex is a Trademark of Hunter Associates Laboratory, Inc.
The accessories listed are compatible with ColorFlex L2 as specified. Availability, specifications, and features are subject to change without notice.



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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