

Compact
Powerful
Precise



Agera[®] L2

A Breakthrough in Color Measurement

Achieve reference-grade color accuracy with Agera L2. Built for tight tolerances and long-term reliability, Agera L2 combines certified Grade 'A' CIE D65 source illumination, superior low-reflectance performance, the industry's largest measurement area, and built-in PC power and storage.

Explore the Next-Gen Agera®...L2



Agera L2 is the ideal color measurement solution for plastics, plastic recycling, packaging, retroreflective and safety materials, textiles, coatings, pharmaceuticals, petrochemicals, paper and related materials, and anything with 20% reflectance or less.

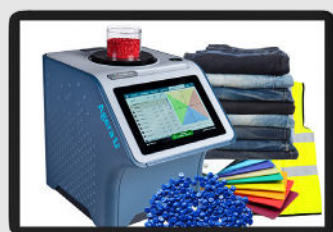


Explore all the additional features and benefits below.



PC Computing Power Built-in

Functions as a fully self-contained color workstation with onboard computing power and storage, enough for millions of measurements. No external PC required for measurement, analysis, data storage, or reporting.

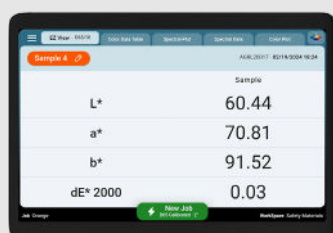
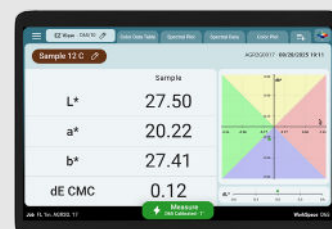


Purpose-Built Strength for Critical Industries

Designed as a reference-grade 0°/45° circumferential (0/45 c) instrument, Agera L2 supports accurate color measurement across demanding applications where tight tolerances and visual agreement are essential.

Simplified Operator Experience

Essentials L2 software provides a clear, touch-optimized interface. Supporting fast decisions with minimal training while retaining advanced capabilities when needed.



True D65 Daylight Illumination

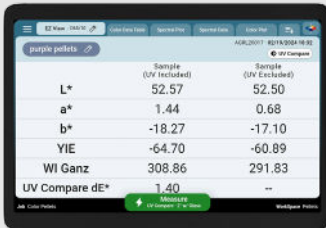
Certified Grade 'A' CIE D65 source illumination delivers measurements aligned with the human vision of you and your customer. Providing consistent visual accuracy and confidence across labs, lines, and locations over time.

TEXTILES pharmaceuticals packaging Neon Clothing safety apparel
retroreflectives DOT signage PETROCHEMICALS sports brands PLASTICS



Performance for Dark and Visually Challenging Samples

6x improvement in accuracy and visual correlation on samples below 20% reflectance. Enabling reliable measurement of dark, complex, and visually sensitive materials with low reflectance and subtle visual differences.



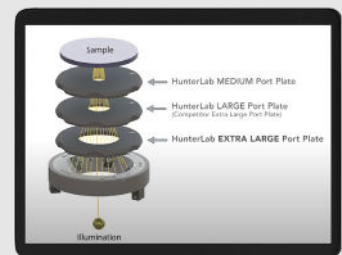
	Sample (UV Excluded)	Sample (UV Included)
L*	52.57	52.50
a*	1.44	0.68
b*	-18.27	-17.10
YIE	-64.70	-60.89
Wi Ganz	308.86	291.83
UV Compare dE*	1.40	**

Precision for Visibly Fluorescent Samples

Ensure accurate measurement of your difficult-to-measure retroreflective and optically brightened materials with true D65 source illumination and controlled UV calibration.

Extra-Large Area of View

The largest single area of measurement available. Four to sixteen times larger than typical instruments, improves repeatability and minimizes the need for averaging on textured, patterned, and directional materials.



Screen Recording and Built-In Sample View Camera

Confirms sample alignment and captures high-quality images with every measurement and records the sample image as part of the measurement data. Supporting traceability, training, and consistent measurement practices.



	Sample
L*	73.26
a*	17.37
b*	26.37
Gloss	2.26

Simultaneous Color and 60° Gloss Measurement

Reports both values in a single reading. Simplifying workflows, reducing steps, and streamlining data collection and reporting.

PLASTICS

safety apparel

PETROCHEMICALS

sports brands

Neon Clothing

packaging

DOT signage

pharmaceuticals

TEXTILES

retroreflectives



Built for Data Integrity and Compliance

Secure role-based user management, audit logging, and 21 CFR Part 11 compliance support regulatory requirements and controlled quality systems.

Rugged Design for Real-World Reliability

A sealed optical engine and enclosed housing protect critical components from dust, lint, powders, and accidental spills. Ensuring dependable performance in production and laboratory environments.



Advanced Data Export and Communication

Includes Ethernet, USB, and HDMI connectivity for exporting data, connecting monitor, keyboard, and mouse while integrating with existing LIMS and SPC systems.

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!

OUR OFFICES & DISTRIBUTION CENTERS



HunterLab

11491 Sunset Hills Road
Reston, VA 20190-5280
Website: www.hunterlab.com
Email: sales@hunterlab.com
Ph: 703-471-6870
Fax: 703-471-4237

Corporate Headquarters



HunterLab Europe

Christian Jansen, Managing Director
Dr.-August-Einsele-Ring 15
82418 Murnau, Germany
Website: www.hunterlab.com
Email: sales@hunterlab.de
Ph: +49 8841 9464

European Office



HunterLab Asia-Pacific

Heng Su Kiang, APAC Sales Manager
28-2, Plaza KLTS
No. 99, Jalan Gombak
Setapak
53000 Wilayah Persekutuan Kuala Lumpur
Malaysia
Website: www.hunterlab.com
Email: sales-asiapacific@hunterlab.com
Ph: +(60) 340 324 749



HunterLab Asia-Pacific

Leo Cheung, Regional Manager
Flat E, 13F Leahander Centre
28 Wang Wo Tsai Street Tsuen Wan
New Territories Hong Kong
Website: www.hunterlab.com
Email: sales-asiapacific@hunterlab.com
Ph: +852-2406 1723

Asia-Pacific Offices

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

SPECIFICATIONS

Agera® L2

Patent #US 11,002,676 B2

MEASUREMENT

Measurement Principle:	Dual-beam Reflectance Spectrophotometer / Glossmeter
Geometry Color:	0°/45°c (circumferential) ASTM E1164
Gloss:	60°
Measurement Method:	Port up or Port forward
Read Time:	< 3 sec.
Image Capture:	High-resolution, D65 illuminated, 45°/0° image viewing, image capture and image recall
Port Plate Opening:	Color: XL - 53.97 mm (2.125 in), L - 28.57 mm (1.125 in), M - 17.47 mm (0.688 in)
Area Measured:	Color: XLAV - 50.80 mm (2 in), LAV - 25.40 mm (1 in), MAV - 15.89 mm (0.625 in) Gloss: 8 mm (5/16 in)
Illumination Range:	360 nm - 700 nm
Detection Range:	400 nm - 700 nm
Specular Component:	Excluded
Spectral Resolution:	< 3 nm
Effective Bandwidth:	10 nm equivalent triangular
Reporting Interval:	10 nm
Photometric Range:	D65 Source Mode: 0 to 200 % Agera Classic Mode: 0 to 150 % Dark Performance Mode: 0 to 25 %
UV Control:	UV Included and UV Excluded with automated comparative data viewing and reporting. Factory calibrated with user option to calibrate to their specific fluorescent standard.
Light Source:	Full spectrum, balanced LED array
LED Life:	5 years typical
Spectrophotometer:	Sealed optics; 256-element diode array; high resolution concave holographic grating
Standards Conformance:	Color: CIE 15:2018, ASTM E1164, DIN 5033, Teil 7 and JIS Z 8722 Condition C; Gloss 60°: ASTM D523, ASTM D2457, ISO 2813, ISO 7668, JIS Z 874

PERFORMANCE

Inter-Instrument Agreement:	Color: $\Delta E_{2000} < 0.10$ CIE $L^*a^*b^*$ (Avg) on CCSII (CERAM) Tile Set Gloss: 0 - 100 ≤ 0.5 GU
Repeatability:	Color: $\Delta E^* < 0.03$ CIE $L^*a^*b^*$ (Max) on Certified Instrument Standard Gloss: 0 - 100 GU: ≤ 0.1 GU



USER INTERFACE

Data Views:	EZ View, Color Data Table, Color Plot, Spectral Data, Spectral Plot, Chromaticity Plot
Other Features:	Pass/Fail Color Indication, time and date stamp, Auto-naming, auto-saving, Image Capture via high-resolution camera, average multiple measurements, time-based automatic measurements, data backup and recovery
USB Flash Drive Features:	Data Export: Job Data, Sample Images, Screen Capture and Database
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
Color Difference Scales:	$\Delta L^*a^*b^*$, ΔLab , ΔL^*C^*h , ΔYxy , ΔXYZ
Indices and Metrics:	E313 Whiteness Index, Ganz Whiteness Index, E313 Tint, Ganz Tint, E313 Yellowness, D1925 Yellowness Index, Y Brightness, Z%, 457 nm Brightness, Baking Contrast Units, ASTM E1349, ASTM D7843, ISO 18314-3 Blackness (My, Mc, dM) and Greyness (Gy, Gc, dG)
Color Difference Indices:	ΔE^* , ΔE , ΔC^* , ΔE CMC, ΔE 2000, dC^* , dH^* , Strength at Max. Absorbance, Strength weighted, Metamerism, Grey Scale Color, Grey Scale Stain, Shade Number 555
Languages:	Supports multiple languages—with the option to add more as needed
Data Storage:	32 GB (> 4 million data records with images)
FDA Title 21 CFR Part 11:	Electronic Records and Electronic Signatures

COMMUNICATIONS I/O

USB Connections:	Connectivity to printer, keyboard, mouse- Front panel (1); Rear panel (2)
Ethernet RJ45:	Print directly to standalone or network printers Stream data to LIMS and SPC systems
External Inputs:	Remote Footswitch or similar closed contact switching device
Remote Access Support:	Enabled via internet-based support tool

PHYSICAL / ELECTRICAL

Sensor Dimensions:	Height: 28 cm (11 in) Width: 22 cm (8.75 in) Depth: 31 cm (12.25 in) Weight: 7.7 kg (17 lb)
Display:	7" Capacitive touch screen, high-resolution (1280 x 800)
Interface:	3 USB ports, HDMI Video Output, Foot switch Input, Ethernet connection, USB Service Port, Convenient physical measurement/action button
Power:	Input: 100 to 240 VAC, 47 to 63 Hz to universal power supply @ 24 VDC (3.75A 90W)
Operating Environment:	10° to 40° C (50° to 104° F), 10 % to 90 % RH, noncondensing
Storage Environment:	-20° to 65° C (-5° to 150° F), 10 % to 90 % RH, noncondensing
System Components:	• Agera L2 sensor • XL - 53.97 mm (2.125 in), L - 28.57 mm (1.125 in), M - 17.47 mm (0.688 in) port plates • Certified Instrument Standard with NIST Certificate of Traceability • Black Glass Standard used for both color and gloss standardization • Diagnostic Check Standard • Agera L2 Quick Start Guide • 100V - 240V Universal Power Supply • Agera L2 User's Manual (electronic)

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