x·rite PANTONE®

Portable & Handheld Sphere Spectrophotometers

Ci64

Ultimate Handheld for Consistent Color Control

X-Rite's most precise and accurate handheld sphere spectrophotometer, the Ci64 is available in multiple configurations with simultaneous SPIN/SPEX, correlated gloss, and a UV option to accurately measure uneven surfaces on a variety of products and packaging types.

Confidently Measure Optical Brightening Agents

With the Ci64, users have flexibility of aperture sizes and the option to add UV LED illumination for accurate color measurement of plastics, textiles and papers that contain optical brightening agents.

Bring Consistency to Measurement Processes

With a Graphical Jobs™ interface and configurable menus, Ci64 users can understand measurement procedures and view data directly from the device. It ensures reliable data collection and statistical process control for consistency across shifts, production lines, and manufacturing facilities.

Simultaneous SPIN/SPEX for Gloss Assessment

Immediately identify variances in color and gloss to ensure accurate color readings or verify visual inspection

Dual Spot Switchable Medium and Small Apertures (4 and 8, or 14mm*)

Provides greater flexibility to measure a wider variety of sample sizes

Software Compatible

Integrates with X-Rite's formulation and quality control software for an end-to-end color solution

Specifications

Battery	Li-ion

Battery Life	1000 measurements (non-UV) @ 10 sec intervals
Calibration	White, Zero, UV*
Color Differences	[√/X], Δecmc, Δlab, ΔE00, Δreflectance, ΔE94, ΔXYZ, ΔL*a*b*, ΔYxy, , ΔL*C*h°, ΔL*u*v*, Verbal Difference
Color Spaces	Lab, L*a*b*, Reflectance, L*C*h°, Munsell Notation, XYZ, Yxy, L*u*v*
Communication Interface	USB 2.0, Bluetooth*
Dimensions (length, width, height)	21.3 cm 9.1 cm 10.9 cm
Embedded NetProfiler Support	Yes
Humidity	5% to 85%, non-condensing
Illuminants	A, C, D50, D65, F2, F7, F11 & F12
Illumination Spot Size	20mm or 14mm and 6.5mm
Import/Export Format	CSV
Instrument Display	Backlit Color Graphic LCD
Inter-Instrument Agreement	0.13 ΔE*ab avg. (8mm)
Lamp Life	Approx. 500,000 measurements
Languages Supported	English, German, French, Spanish, Italian, Portuguese, Chinese Simplified, Chinese Traditional, Korean, and Japanese
Light Source	Gas-filled tungsten lamp + UV LEDs*

Measurement Cycle Time	≈ 2 seconds
Measurement Geometry	d/8°
Measurement Spot	14mm or 8mm and 4mm
Measurement Time	≈ 2 seconds
NetProfiler Support	Embedded
Observers	2° & 10°
Operating Temperature Range	50° to 104°F (10° to 40°C)
Package Dimensions (length, width, height)	51cm, 20cm, 41cm
PantoneLIVE Support	Via software
Pass / Fail	Yes
Photometric Range	0 to 200%
Photometric Resolution	0.01%
Reflectance Aperture(s)	1 or dual
Sample/Measurement	4000
Sample Preview	Targeting window
Shipped Weight	'7kg
Short Term Repeatability - White	.04 ΔE*ab on white ceramic
Software Development Kit	XDS4

Spectral Analyzer	Blue-enhanced silicon photodiodes
Spectral Interval	10nm
Spectral Range	400nm-700nm
Spectral Reporting	10nm
Standard Indices	[√/X], YI1925, WI Taube, ΔWI73, Reflectance, WI98, MI, Δreflectance, ΔYI98, ΔWI Hunter, Gray Scale, WI Berger, Gloss, ΔYI73, ΔWI Stensby, ΔWI Taube, YI73, WI Stensby, ΔWI98, Averging, 555 Shade Sort
Standards	1000
Storage Temperature Range	'-4° to 122°F (-20° to 50°C)
Transform Support	Embedded
Voltage	100-240VAC 50/60Hz, 12VDC @ 2.5A
Warranty	12 months
Weight	1.06 kg