x·rite PANTONE®

Portable & Handheld Sphere Spectrophotometers

Ci60

Portable Quality Control

The Ci60 is a portable, entry-level sphere spectrophotometer designed to measure and identify the quality of color throughout production. With pass/fail indicators located on the device, it is ideal for quality control in the field or in the manufacturing plant.

Convenient Device Only Solution

The Ci60 handheld spectrophotometer offers an affordable way to replace error-prone visual evaluation of color in uncontrolled lighting conditions. With quick compare right on the device, it can capture color measurements and make fast tolerance comparisons without a computer or software connection.

Easy Setup with Dynamic User Interface

With the Dynamic User Interface, users can easily modify and configure the interface to meet their unique processes. The Ci60's configuration tool guides users to easily set up the instrument's defaults.

Stores up to 4,000 Reference Samples

Access reference samples right from the device for fast access to existing data.

Simultaneous SPIN/SPEX for Gloss Assessment

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

Durable Operator-Friendly Design

Features an ergonomic overmold design and reliable detent lock and runs on standard Li-ion batteries.

Battery	Li-ion
Battery Life	1000 measurements @ 10 sec intervals

Calibration	White and Zero
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*
Dimensions (length, width, height)	21.3 cm 9.1 cm 10.9 cm
Humidity	5% to 85%, non-condensing
Illuminants	A, C, D50, D65, F2, F7, F11 & F12
Illumination Spot Size	14mm
Import/Export Format	CSV
Instrument Display	Backlit Color Graphic LCD
Inter-Instrument Agreement	0.40 ΔE*ab avg.
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
Measurement Cycle Time	≈ 2 seconds
Measurement Geometry	d/8°
Measurement Spot	8mm

Measurement Time	≈ 2 seconds
Observers	2° & 10°
Operating Temperature Range	50° to 104°F (10° to 40°C)
Package Dimensions (length, width, height)	51cm, 20cm, 41cm
Pass / Fail	Yes
Photometric Range	0 to 200%
Photometric Resolution	0.01%
Reflectance Aperture(s)	1
Sample/Measurement	4000
Sample Preview	Targeting window
Shipped Weight	'7kg
Short Term Repeatability - White	.10 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, ΔWI Berger, WI73,
MI6172, ΔYI98, ΔWI Hunter, Gray Scale, WI Berger,
Gloss, ΔYI73, ΔWI Stensby, YI98, WI Hunter,
ΔYI1925, 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