



Portable & Handheld Sphere Spectrophotometers

Ci51



Fast color matching for an efficient paint counter

Quickly determining formulation recipes for matching paint to customer-supplied samples enhances customer satisfaction and paint counter productivity. With the X-Rite Ci51 handheld spectrophotometer, counter personnel can measure flat or complex samples in less than two seconds on materials such as paper, plastic, fabric and a variety of hard surfaces.

The Ci51 is connected to a personal computer and can be used as a tethered handheld device or mounted for small footprint benchtop use. The accompanying ColorDesigner PLUS software formulates colors and stores paint recipes for fast, accurate customer service. An optional foot pedal enables remote hands-free operation.

Benefits:

- Accommodates a wide range of samples and sizes with measurement capability of 14mm or larger on materials such as paper, plastic, fabric, and a variety of hard surfaces.
- Flat or complex samples can be measured in as little as two second for fast color data acquisition.
- Its dampened, flip back targeting shoe and remote measurement trigger make it easy to measure difficult-to-handle samples.
- Providing the ultimate in versatility, the Ci51 can be used as a tethered handheld or mounted as a small footprint benchtop instrument

Specifications

Short Term Repeatability - White	.10 ΔE^*ab on white ceramic
Measurement Geometry	d/8°
Inter-Instrument Agreement	0.30 ΔE^*ab avg.
Illumination Spot Size	14mm
Lamp Life	Approx. 500,000 measurements
Light Source	Gas-filled tungsten lamp
Measurement Cycle Time	≈ 2 seconds
Measurement Spot	8mm

Measurement Time	≈ 2 seconds
Photometric Range	0 to 200%
Photometric Resolution	0.01%
Spectral Analyzer	Blue-enhanced silicon photodiodes
Spectral Interval	10nm
Spectral Range	400nm-700nm
Spectral Reporting	10nm
Reflectance Aperture(s)	1
Humidity	5% to 85%, non-condensing
Operating Temperature Range	50° to 104°F (10° to 40°C)
Storage Temperature Range	-4° to 122°F (-20° to 50°C)
Dimensions (length, width, height)	21.3 cm 9.1 cm 10.9 cm
Weight	1.06 kg
Package Dimensions (length, width, height)	36cm, 30cm, 20cm

Shipped Weight	'4kg
Communication Interface	USB 2.0
Instrument Display	Backlit Color Graphic LCD
Software Development Kit	XDS4
Voltage	100-240VAC 50/60Hz, 12VDC @ 2.5A
Calibration	White and Zero
Sample Preview	Targeting window
Transform Support	Embedded
Warranty	12 months
What's Included?	Instrument with white calibration standard, black trap, manual(CD), AC adapter, USB cable