x·rite PANTONE®

Portable & Handheld Sphere Spectrophotometers

Ci52

Versatile color measurement for quality control

Looking for a fast, affordable quality control tool to monitor batch-to-batch variations and inconsistencies between customer specifications and production output? Need a way to speed up the creation and approval of samples?

The Ci52 is a versatile instrument for consistent measurement of a wide variety of samples in a range of materials, sizes, shapes, textures, and opacity levels. It enables simultaneous measurement of both color and appearance to enhance accuracy in measuring paint and textile samples. It can be used as a tethered handheld device or mounted for small footprint benchtop use. A NetProfiler3-enabled system, it ensures consistent, precise performance.

Benefits:

- Large target window for ease of measuring larger objects or samples.
- Easy to operate. Its 'close and play' operation, supported by an LED visual and audible status indicators are ideal for operators at all skill levels.
- Fast, accurate reads with a measurement time of 2 seconds on standard flat samples and complex shapes.
- Simultaneous measurement of both specular-included (color) and specular-excluded (appearance) to determine influence of specular components and deliver accurate color and appearance data.
- On-board NetProfiler system optimizes instrument performance and allows for remote certification, ensuring the instrument is always accurate with up-to-date calibration. Delivers good inter-instrument agreement with other X-Rite color measurement instruments.

The 14mm target window in the Ci52 spectrophotometer is an added benefit, making it easier to capture color and appearance data from the larger objects and samples often used in quality control operations. Its remote foot pedal option is designed for convenient, hands-free operation.

Specifications

Short Term Repeatability - White	.05 ΔE*ab on white ceramic
Measurement Geometry	d/8°
Inter-Instrument Agreement	0.20 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
Embedded NetProfiler Support	Yes
NetProfiler Support	Embedded
Sample Preview	Targeting window
Transform Support	Embedded

Warranty	12 months
What's Included?	Instrument with white calibration standard, black trap, green standard, manual(CD), AC adapter, USB cable