



Quality Control Instrument

## X-Rite Ci™52

Versatile Spectrophotometer

A versatile instrument for consistent measurement of a wide variety of samples in a range of materials, sizes, shapes, textures, and opacity levels. Simultaneous measurement of both color and appearance enhances accuracy. The unit can be used as a tethered handheld device or mounted for small footprint benchtop use. A NetProfiler3-enabled system ensures consistent, precise performance.



## X-Rite Ci52 Specifications

<b>Measuring Geometrics</b>	d/8°, DRS spectral engine Simultaneous SPIN / SPEX
<b>Optical Aperture</b>	8mm measurement area 14mm target window
<b>Light Source</b>	Gas-filled tungsten lamp
<b>Receiver</b>	Blue-enhanced silicon photodiodes
<b>Spectral Range</b>	400 – 700nm
<b>Spectral Interval</b>	10nm – measured 10nm – output
<b>Measurement Range</b>	0 to 200% reflectance
<b>Measuring Time</b>	Approx. 2 seconds
<b>Inter-Instrument Agreement</b>	CIE L*a*b*: Avg. 0.20 $\Delta E^*ab$ based on avg. of 12 BCRA Series II tiles (specular component included) Max. 0.40 $\Delta E^*ab$ on any tile (specular component included)
<b>Short-Term Repeatability</b>	.05 $\Delta E^*ab$ on white ceramic
<b>NetProfiler Support</b>	Embedded
<b>Transform Support</b>	Embedded
<b>Lamp Life</b>	Approx. 500,000 measurements
<b>Power Supply</b>	AC Adapter Requirements 90 – 130VAC or 100 – 240VAC, 50 – 60Hz, 15W max
<b>Data Interface</b>	USB
<b>Operating Temperature Range</b>	50° to 104°F (10° to 40°C) 85% relative humidity maximum (non-condensing)
<b>Storage Temperature Range</b>	-4° to 122°F (-20° to 50°C)
<b>Weight</b>	1.9 lbs. (.87 kg)
<b>Dimensions</b>	4.3”H (10.9 cm) x 3.6”W (9.1 cm) x 8.4”L (21.3 cm)
<b>Accessories Provided</b>	Calibration standards: Black trap removable white & green standards, operations manual, AC adapter, USB cable with strain relief
<b>Options</b>	Optional benchtop stand sample presentation fixtures

## X-Rite Ci52 Advantages

**Versatile.** Provides for both handheld or benchtop applications; remote read switch adds convenience

**Easy to Operate.** Close-and-play operation, supported by visual (LED) and audible status indicators

**Measurement Integrity Enhanced.** Dampened, flip back targeting shoe and remote measurement trigger make it easy to measure difficult-to-handle samples

**Accommodates Wide Range of Samples and Sizes.** Measurement capability of 14mm or larger on materials such as paper, plastic, fabric, and a variety of hard surfaces

**Quick, Accurate Reads.** Measurement time of 2 seconds on standard flat samples as well as complex shapes

**Reliable Performance.** Simultaneous measurement of both specular-included (color) and specular-excluded (appearance) to determine influence of specular component

**Consistent Measurements.** Superior agreement capabilities ensure integrity of multiple-instrument color control

**NetProfiler®3 Enabled.** On-board system optimizes instrument performance and allows for remote certification

**Seamless Transition.** Operates in agreement with existing X-Rite spectrophotometers



### X-RITE WORLD HEADQUARTERS

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