x-rite PANTONE®

MA-5 QC

Multi-Angle Spectrophotometer

Quickly Evaluate Special Effects on Automotive Parts

The MA-5 QC is a cost-effective multi-angle color measurement device designed to ensure color harmony across the supply chain on automotive effect finishes. Featuring strategically placed optics at the tip, it is 60% faster, 50% lighter, and 40% more compact than any other five-angle device on the market. It allows operators to easily position MA-5 QC with one hand and capture more measurements per hour.

Built with quality control managers in mind, the MA-5 QC can identify a paint defect early in the manufacturing process, avoid unnecessary repair costs, and save on average up to $500 per vehicle. Ultimately, catching color errors early on and speeding up the time to market will quickly show a positive return on investment for the MA-5 QC.

Measure Color with Confidence

- Ensures the instrument is always correctly positioned on the sample with indicator lights.
- Captures fast measurements in less than 2.5 seconds.
- Delivers greater than 95% repeatability within 0.16 dE when tested on 196 paints that included solid, metallic, and pearlescent effects.
- Collects multiple data points quickly when programmed for automated jobs.
- Keeps dirt out of the device with an automatic optics shutter.

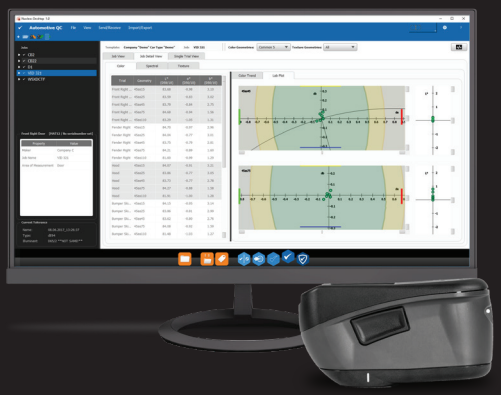
Analyze Data with Ease

- Saves time by providing fast output of data with one-click reporting and an intuitive touch screen interface.
- Gauges whether temperature of the sample is affecting color data with the first to market on-screen temperature preview.
- Provides green and red pass/fail tolerance lights for fail-proof analysis.
- Understands legacy data for good compatibility with MA68II and MA94.
- Integrates with existing digital standards for easy migration.
- Includes a docking station to conveniently connect with a PC and automatically charge the device.

MA-5 QC Multi-Angle Spectrophotometer

A Complete Solution for Automotive Quality Control

X-Rite's EFX QC software complements the MA-5 QC to digitally communicate tolerances and measurement procedures for effect finishes and enable real-time monitoring of color harmony across the supply chain. It also supports advanced features like job based searchable databases.



Specifications

Spectro Measurement	Detection 45º Illumination 15º, 25º, 45º, 75º, 110º
Positioning	Three pressure sensors
Measurement Spot Size	12 mm
Measurement Time	2.5 seconds
Short Term Repeatability on White	0.02 ΔE*
Reproducibility on BCRA Tiles	All BCRA tiles: avg. ΔE*<0.1
Inter-Instrument Agreement	Avg. 0.18 ΔE* BCRA tile set
Wavelength Range	400 – 700 nm
Wavelength Resolution	10 nm

Measurement Range	0 to 600% reflectance
Operating Temperature	10 – 40ºC, rel humidity 85% at 35ºC non-condensing
Battery Lifetime	2,000 measurements
Memory	500 jobs
Weight	0.6 kgs (1.4 lbs)
Size	L 180mm x W 70 mm x H 95mm (L 7.1 in x W 2.7 in x H 3.7 in)
Calibration	internal, external white
Calibration Interval	21 days
Connectivity	USB
Software compatibility modes	Native MA-5 QC and MA94 emulation mode

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