



Portable Multi-Angle Spectrophotometer

TP5A-QCCADS



MA-5 QC: Actionable Color Measurement Tool for Effect Finishes

Built with quality control managers in mind, the MA-5 QC can identify color defects early in the manufacturing process and avoid unnecessary rework. 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. This allows operators to easily position MA-5 QC with one hand and capture more measurements per hour.

Measure Color With Confidence

Looking for added repeatability? The MA-5 QC can capture a measurement in less than 2.5 seconds and collect multiple data points for automated jobs. The compact and lightweight design minimizes operator fatigue and enables easy-one handed operation. Indicator lights ensure correct positioning and an automatic optics shutter keeps dust out of the device.

Analyze Data with Ease

The MA-5 QC offers an intuitive touch screen, red and green pass/fail lights for easy tolerancing, and fast data output with one-click reporting. With first-of-its-kind temperature preview, the MA-5 QC can determine whether sample temperature is affecting color data so you can make informed decisions. To charge and connect with a PC, simply set the MA-5 QC into the convenient docking station.

Software Compatible

Connect with [EFX QC](#), X-Rite legacy software, and 3rd party software using MA94 emulation mode.

Intuitive User Interface

Touch screen displays all five angles to view comprehensive data with one glance.

Sample Temperature Sensor

Identifies if the temperature of a sample could affect color data.

3rd Party Software Supported

MA 94 emulation mode

Battery

Lithium Ion Battery

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| Battery Life | $\geq 2,000$ 5-angle measurements (continuous measurements at 10s intervals) |
| Calibration Interval | 21 days |
| Calibration | Internal calibration |
| Color Differences | dE*, dE2000; dE cmc, dE DIN 6175, dE Audi 2000 |
| Communication Interface | TFT color display |
| Connectivity | USB 2.0 |
| Dimensions (length, width, height) | L: 180 mm, W: 70 mm, H: 95 mm |
| Humidity | 80% relative humidity |
| Illuminants | D65, A, C, D50, F2, F7, F11, F12, D65 |
| Illumination Colors | white |
| Illumination Spot Size | Pick-up field size: diam. ≈ 12 mm |
| Instrument Display | TFT color display with resistive touch, 2.8-inch diagonal, QVGA (240 x 320) |
| Inter-Instrument Agreement | Avg. 0.18 ΔE^* on BCRA Tile Set |
| Lamp Life | 10 years |
| Languages Supported | E, F, I, Esp, D, P, Ch, J, Kor |
| Light Source | LED |
| Measurement Geometry | r45as15, r45as25, r45as45, r45as75, r45as110 |
| Measurement Time | 2.5 seconds |

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| Measurement Working Distance | contact on surface |
| Observers | d2°, d10° |
| Operating Temperature Range | 10°C-35°C |
| Photometric Range | 400 nm -700 nm |
| Photometric Resolution | 10 nm |
| Sample/Measurement | 1000 |
| Short Term Repeatability - White | 0.02 de* |
| Standards | 200 |
| Storage Temperature Range | -20°C - 50°C |
| Unit Color | black |
| Warranty | 12 months |
| Weight | 0.6 kg |
| What's Included? | <ul style="list-style-type: none"> • Calibration reference, white tile for spectral • USB cable • Stylus • USB charger with EU, US, UK and China exchangeable plugs • Documentation: Quickstart Guide in ring bound booklet format (as MA-T6/12) • Easy-access, charging docking station • USB Stick with Nucleos EXF QC, using alternative licensing system dongle less and with dongle. • Spare light seal • Screen protector: one mounted, two spare • Wrist strap fitting into docking station • Cleaning cloth |