

RAPIDMATCH® XI SPECTROPHOTOMETER BEST PRACTICES



RapidMatch® XI

START HERE

THE BASICS

- Keep instrument FULLY charged**
- Your lithium-ion battery will last longer by not allowing it to fully discharge.
 - Lithium batteries typically decay to 80% capacity after 700 charge cycles—at this point you may want to replace the battery pack. (one charge equals several partial charges equaling 100%)
- Calibration tile set and spectrophotometer are a matched pair**
- The pair's serial numbers must match. If not correct, contact X-Rite® Support.

Support Contacts

X-Rite Support:
1-888-826-3042 or 1-800-248-9748
PPG Color IT Help Desk: 1-800-647-6050
Email: ColorITSupport@ppg.com



INSTRUMENT CARE

- The white tile in the calibration reference is dramatically affected by smudge marks, dust, and finger prints. Use mild soap and warm water to clean the white and effect tiles. Rinse thoroughly with warm water and wipe dry with clean, lint-free cloth. Allow to dry thoroughly before taking a calibration measurement.
- Clean the instrument with a cloth dampened with water or mild cleaner. Remove any dried paint carefully with a paint scraper.
- DO NOT USE SOLVENTS ON THE DEVICE.
- When the instrument is not in use for an extended time, store in the case or in the home base with cover (sold separately).



30-DAY CALIBRATION

Calibrate on the white tile every 30 days. The calibration icon at the bottom of the touchscreen will indicate a calibration must be performed. No measurements can be taken until the calibration is completed.

Do not move instrument while calibrating. If motion is detected, an error message will be displayed and calibration aborted. When in calibration mode, swipe the screen to the left for additional information on positioning.

Steps

1. Select "Calibration" option from the Settings menu. If "Calibration required" message appears, advance to Step 2.
2. Tap "Calibrate" to continue.
3. Lay the calibration tile set flat and position instrument on white tile.
4. Make sure the three pressure sensors around the measurement port align with the slots in the calibration reference, and the white line aligns with the reference marks.
5. Press "Measure" button or tap the screen's Calibrate icon. Do not touch the instrument while calibrating.
6. Once calibration on white tile is completed, position the measurement port over the effect tile in the calibration reference.
7. Press "Measure" button or tap the screen's Calibrate icon. Do not touch the instrument during the verification sequence.



SURFACE PREPARATION

If you do not take the time to prepare the surface, it will affect the color reading on the device.

1. Find a flat and dent-free area next to the repair area.
2. Buff the vehicle surface to be read.
3. Wipe the area clean with a soft cloth. Allow to dry completely if using a cleaner.



MEASUREMENT TECHNIQUE

- Using both hands, hold the **RapidMatch XI** unit vertically so the viewing screen is at the top.
- Place the measurement camera port (located on the bottom of the instrument) over the first area to be measured.
- Adjust the unit so the large arrow in the center of the screen turns green when it aligns with the small green arrow above it.
- Rotate the instrument slightly until all three positioning indicators in the screen turn green. This indicates all three pressure sensors are activated.
- Hold the device steady and press the "measure" button on the top or either side. You can also tap the touchscreen to take a reading.
- Hold the unit steady until "Calculating" appears on the screen.
- Take four additional readings in unique locations within a 5" diameter area.
- Once completed, tap the checkmark icon on the Summary screen to save the job and return to the main screen.

