



⚠️ READ THIS BEFORE USING REMOTE CALIBRATION/ RCMSi PACK ⚠️

Please note: if this is a **NEW PFXi instrument**, it has **ALREADY BEEN CALIBRATED** in our production and testing facilities and **DOES NOT require immediate calibration (using RCMSi) in your lab**. This RCMSi pack can be used after your instrument has been working for an extended period of time

⚠️ CAUTION ⚠️

RCMSi is an **instrument calibration process** which requires **significant care and attention** when carried out to give accurate data. **Please refer to the guidelines found in the enclosed Quick Start Guide.**

The calibration liquids are designed to **extremely tight tolerances** and, if they are not used correctly, may result in a failure of calibration. This may be due to procedural error and **not** an indication of an instrument fault. RCMSi packs are valid for use for 12 months from production. See pack label for expiry date.

RCMSi is not mandatory. It is simply an additional, purely optional, level of performance guarantee. There are a number of PFXi users worldwide who, for security or infrastructure reasons, do not use RCMSi. This does not have any negative effect on their day-to-day operations. They simply use the Glass Filter that ships as standard with the instrument or purchase additional Liquid Reference Standards or Glass Filters.

Before performing RCMSi:

Please view our **on-line video tutorial** (www.youtube.com/watch?v=SCAC1deq9no) and read the instruction manual before performing RCMSi calibration. Please note the following very **important points**:

- **Register** your instrument at www.lovibondcolour.com before proceeding.
- **Use only the 50 mm measurement cell provided with the RCMSi pack** for calibration. Do not use any existing cells of different path lengths as this will result in a failed calibration.
- **Completely clean the measurement cell** before use. Any residual marks from the packaging wrap will result in a failed calibration. Check cleanliness by looking down the light path.
- **The baseline for the RCMSi process is performed with a completely empty sample chamber.** There should be nothing in the instrument.
- **Solutions should be used in the correct order**, according to the prompts on the PFXi display. Using the solutions in the incorrect order will result in a fail.
- **Do not hold the cell by the end windows.** This will result in a failed calibration.
- **Rinse out the cell between each reading** using a small amount of the solution that you are about to measure. Failure to do this will result in a failed calibration.
- **Check that the cell is completely clean** before every measurement. Any smear, drip, dust or spill will result in a failed calibration.
- **RCMSi packs are designed for one use only** and should be discarded after use. The pack code and hence the pack (including unopened bottles) is no longer valid once a calibration **PASS** has been achieved.

Please contact us if you have any problems using the RCMSi functionality of your PFXi instrument.