

Function and Calibration Check for Pinless Meters

All pinless meters from Lignomat are built with high quality components, micro-processor based, to guarantee stable calibrations for many years of usage. All meters from Lignomat internally check and if necessary adjust the calibration before each reading. Therefore, the meters are not set up to be re-calibrated manually by the user.

Before the battery is drained completely and the meter will not give any more values, a warning sign appears in the middle of the display, indicating the battery should be replaced soon.



Function Test: Pinless meter functions can be tested for open and closed circuit connections manually.

Calibration Test: Pinless meter measurements can be tested for calibration accuracy with check block TS available from Lignomat. Using the external pinless calibration check block also confirms that all connections function properly in pinless mode from the measuring pad to the display.

For sensitive testing we recommend using the check block before and after a test series.



Step 1: Open circuit check. Set the meter to pinless mode, choose code # 50. Hold the meter in the air to make sure no material is touching the measuring plates. When the READ key is pressed, a low moisture value of 5.4% should be indicated with SCAN/Min to the left side of the display. For 1/4" and the 3/4" depth the same value should appear.



Step 2: Closed circuit check. Place the pinless meter on your forearm and press the READ key. A high moisture value should be indicated. An additional meter check can be performed by measuring a ream of paper. If the paper test is done repeatedly with the same setting, the indicated value should not vary significantly over the course of a year. This can be used to check consistency / accuracy of the pinless calibration.

Step 3: Lignomat offers an external calibration **check block TS** for all Lignomat pinless meters. The check block for pinless meters from Lignomat is a material plate which produces a defined reading, when the meter is lightly pressed against its surface on setting #50. Every time you check, the indicated value should be within +/- 1% of the test value given for the test block. Each test block has its own value. However, all Lignomat pinless meters can be checked with the same check block, and all meters should show the same value (+/- 1%) indicated on the back of the test block.



If step 1, 2 or 3 fail either the battery needs to be replaced or the meter is defective. Call customer service 800-227-2105.

