



# LaMotte 1705 Meter Check Disk Instruction Manual

[Home](#) » [lamotte](#) » LaMotte 1705 Meter Check Disk Instruction Manual 

## Contents

- [1 LaMotte 1705 Meter Check Disk](#)
- [2 KEEP THESE INSTRUCTIONS METER CHECK DISK](#)
- [3 Start Calibration](#)
- [4 Storage](#)
- [5 Documents / Resources](#)
  - [5.1 References](#)
- [6 Related Posts](#)



## LaMotte 1705 Meter Check Disk



## KEEP THESE INSTRUCTIONS METER CHECK DISK

Do not attempt to separate the components of the Meter Check Disk (Code 1705). The Meter Check Disk consists

of a disk with a permanently attached cover. Do not fill the Meter Check Disk with water. Water is not used during the meter check procedure.

## **CALIBRATION OPERATIONS**

The Meter Check Disk (MCD) is used to perform two calibration operations – Check Calibration and Start Calibration. The Start Calibration procedure should only be performed if the meter fails the Check Calibration procedure.

### **Check Calibration**

Meters are calibrated at the time of manufacture. However, it is possible for the calibration settings to be lost due to power anomalies or other circumstances. The Meter Check Disk is used in the Check Calibration procedure to determine whether the alignment of the hub and disk are correct. For some meters, it also evaluates the brightness of the individual LEDs.

1. Follow the CLEANING procedure to clean the light chamber and optic lenses.
2. From the main test page, tap to select Settings.
3. Tap Calibration.
4. Tap Check Calibration.
5. Remove the Meter Check Disk (Code 1705) from the foil pouch. DO NOT remove the black cover from the disk. Insert the Meter Check Disk (MCD) into the meter and close the lid.
6. Tap Start.
7. The meter will briefly spin. When it is complete, six-channel values will be displayed. Compare the displayed channel values to those printed on the MCD pouch. If the displayed channel values are within the ranges provided on the Meter Check Disk pouch, the meter is calibrated and performing normally. If the displayed channel values are not within the ranges provided on the Meter Check Disk pouch, perform the Start Calibration procedure.  
**Note:** Range specifications are specific to the disk identified by the serial number on the pouch. The range specifications will vary from disk to disk. The exact readings from a specific disk may vary from meter to meter.
8. Tap to return to the test screen.
9. Remove the MCD from the meter and return to the foil pouch for storage

### **Start Calibration**

The Start Calibration procedure calibrates the alignment of the hub and disk for all meters and sets the brightness of the individual LEDs for compatible meters. Before performing this calibration procedure, run the Check Calibration procedure to determine whether the meter is calibrated and operating normally. The Start Calibration procedure should only be completed if the meter fails the Check Calibration procedure.

1. Follow the CLEANING procedure to clean the light chamber and optic lenses.
2. From the main test screen, tap to select Settings.
3. Tap Calibration.
4. Tap Start Calibration.
5. Remove the Meter Check Disk (Code 1705) from the foil pouch. DO NOT remove the black cover from the disk. Insert the Meter Check Disk. Close the lid.
6. Tap Start.
7. When the calibration is complete the message “Angle Calibration Successful” will appear. Meters that can also perform an LED calibration will display “LED Calibration Successful”.

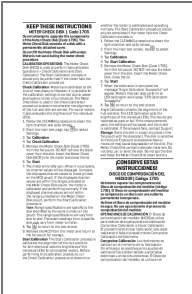
8. Tap to return to the test screen.

Angle Calibration checks the alignment of the hub and disk. The LED Calibration sets the brightness of the individual LEDs. The results are reported as pass or fail. If the measurements pass, the settings will be saved, and the meter is calibrated. If the analysis fails, contact Support.

Storage

Store the disk in a cool, dry place in the foil pouch with the desiccant. The disk is sensitive to moisture. Exposure to excessive heat or moisture may cause degradation of the disk. The Meter Check Disk contains delicate materials. Do not drop, jar, or twist the disk. Do not get the disk wet. Keep the Meter Check Disk clean and dry.

Documents / Resources

	<p><a href="#">LaMotte 1705 Meter Check Disk</a> [pdf] Instruction Manual 1705, Meter Check Disk, 1705 Meter Check Disk</p>
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References

- [LaMotte Company :: Water Quality and Analytical Testing Equipment](#)