How to Calibrate Your Meters

COM-100 (EC Meter)

1. Remove the cap from meter
2. Press **ON/OFF** button
3. Press and hold **HOLD/MODE** until the setting shows **mS** at the top left of your meter. **NOTE:** This is the 2nd setting from the left
4. Open one ready-to-use liquid calibration packet (CP-1000). **NOTE:** If using the C1000 calibration solution, you will need to fill a small cup to submerge the tip of the meter
5. Submerge the tip of the meter into the CP-1000 packet of calibration solution
6. Press and hold **TEMP/CAL** while tip is submerged until it begins flashing, then release
7. Using arrow keys, adjust the meter until it reads **2.0** then press **ON/OFF**. **NOTE:** The meter will start flashing **C…CA…CAL** when calibrating
8. When flashing stops meter should read **2.0**

Your meter is calibrated and ready to use

CP-1000
Calibration Solution

COM-80 (EC Meter)

1. Remove the cap from meter
2. Press **POWER/ENTER** button
3. Press and hold **HOLD/MODE** until the setting shows **mS** at the bottom right
4. Open one ready-to-use liquid calibration packet (CP-1000). **NOTE:** If using the C1000 calibration solution, you will need to fill a small cup to submerge the tip of the meter
5. Submerge the tip of your meter into the CP-1000 packet of calibration solution
6. Press and hold **TEMP/CAL** while submerged until it begins flashing, then release
7. Using arrow keys, adjust the meter until it reads **2.0** then press **POWER/ENTER**. **NOTE:** The meter will start to flashing **C…CA…CAL** when calibrating
8. When flashing stops meter should read **2.0**

Your meter is calibrated and ready to use

Checking EC (for COM-80 and COM-100)

Once your meter is calibrated:

1. Press **ON/OFF** to turn your meter on
2. Make sure your meter is set to the **mS** setting
3. Submerge the tip into a cup with clear water and record the reading
4. Remove meter from water and shake excess water off
5. Submerge meter in a cup with fertilizer solution and record the reading
6. Take the recorded reading in step 3 (clear water EC) and subtract it from the reading you recorded in step 5 (fertilizer solution EC)
7. The result is the amount of fertilizer in the output
8. Compare this result to the back of your fertilizer bag
   NOTE: You should compare the result to the value in the **EC Value** column for desired PPM

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How to Calibrate Your Meters

PH-200 (pH Meter)

1. Remove the cap from meter
2. Press **ON/OFF** button
3. Open one ready-to-use liquid calibration packet (PH-P7).
4. Submerge the tip of your meter into the PH-P7 packet of calibration solution
5. Press and hold **TEMP/CAL** while submerged until it begins flashing, then release. Gently stir meter in packet briefly
6. Wait while meter automatically calibrates. **NOTE:** The meter will start flashing **C…CA…CAL** when calibrating
7. When it stops flashing, the number displayed should match the number on the packet as indicated below (**7.00** in this case)

   Your meter is calibrated and ready to use

NOTE: pH meters need to have tip stored in storage solution

PH-P7
Calibration
Solution

PH-80 (pH Meter)

1. Remove the cap from meter
2. Press **ON/OFF** button
3. Open one ready-to-use liquid calibration packet (PH-P7). **NOTE:** If using the PH-BUF, mix in a cup of water
4. Press **POWER/ENTER** button
5. Submerge the tip of your meter into the PH-P7 packet of calibration solution
6. Press and hold **TEMP/CAL** while submerged until it begins flashing, then release. Gently stir meter in packet briefly
7. Wait while meter automatically calibrates. **NOTE:** The meter will start flashing **C…CA…CAL** when calibrating
8. When it stops flashing, the number displayed should match the number on the packet as indicated above (**7.0** in this case)

   Your meter is calibrated and ready to use

NOTE: pH meters need to have tip stored in storage solution

PH-STOR
Storage
Solution

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