**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

**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
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*

**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