

PPH-3

Drop-in/inline Heavy Duty Nutrient pH Sensor

The PPH-3 is a Heavy Duty pH Sensor designed to measure acidity/basicity pH value in liquid solution.

PPH-3 sensor features an improved sensor element for an even more stable and reliable performance. Reduced length, diameter and a threaded body enable the PPH-3 sensor to fit into standard 3/4" PVC tee fittings and other tight spaces in both drop-in or inline usage.

PPH-3 sensor can be connected to the Aqua-X maincontroller via AMP2 sensor board module; or the Aqua-X Pro maincontroller via the AMP-3 sensor board module.

***CAUTION:** PHH-3 sensor probe must be wet at all times to maintain its best condition; a dried sphere sensor can cause the PPH-3 sensor to become defective.



Specifications

PPH-3

Package Contents

PPH-3 EC & Temp Sensor 1pc

Output

Connector BNC male connector

Range

Range pH 0-14

Working Environments

Temperature 32-122°F (0-50°C)

Humidity ≤90%

EC Accuracy

EC Accuracy ± 1%

Accuracy

Accuracy pH ± 0.2

Package Dimensions

Size 10.83" / 275mm(L) x 3.35" / 85mm(W) x 3.74" / 95mm(H)

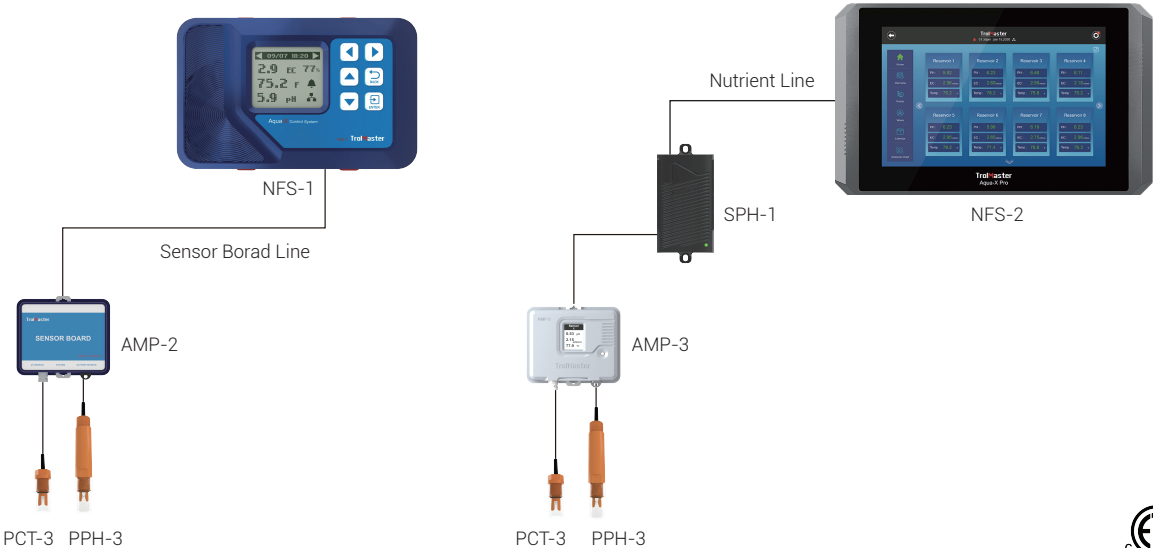
Temp Accuracy

Temp Accuracy ± 1°F

Link Up

PPH-3

CONNECTION DIAGRAM



TrolMaster

TrolMaster pH / EC calibration

Calibrate pH probes using a 7.0 and a 4.0 solution.

- 1) Place the probes into a clean sample of 7.0 cal solution.
- 2) Stir slowly... Let the probe sit for at least 2 minutes in the solution.
- 3) After 2 minutes, check calibration. **If it does not read 6.9 to 7.1 the probe should be calibrated.**
- 4) Go to System Settings. Select *Calibration / PH*. Calibrate to 7.0... Press Enter.
- 5) When complete you can also do a 4.0 calibration. Repeat steps 1-4 for 4.0 calibration.
- 6) When complete with either a single point, or two-point calibration, the calibration process is finished, and the probe should read correctly.

NOTE: If the controller displays Out of Range, there might be a problem with the probe. Contact Trolmaster Tech support.

Calibrate EC probes using a 1.41 or 2.77 solution.

- 1) For EC, choose the correct cal solution based on the EC of the nutrient you will be using.
The two most common solutions are 1.41 and 2.77 EC.
- 2) Place the probes into a clean sample of solution.
- 3) Stir slowly. Let the probe sit for at least 2 minutes in the solution.
- 4) After 2 minutes, check calibration. **If it does not read within 5% of the correct reading, the probe should be calibrated.**
- 5) Go to System Settings. Select *Calibration / EC*. Now select the correct calibration number that matches the cal solution you are using. Press Enter.
- 6) When complete with the calibration, the probe should read correctly.

NOTE: If the controller displays Out of Range, there might be a problem with the probe. Contact Trolmaster Tech support.

If you are still having problems, call TrolMaster Tech Support @ 877-420-9876