

# PCT-3

## Inline EC + Temp Sensor

The PCT-3 is a Heavy Duty EC & Temp Sensor designed to measure EC (electrical conductivity) & temperature of liquid solution.

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

PCT-3 sensor can be connected to the Aqua-X maincontroller via AMP-2 sensor board module; or the Aqua-X Pro maincontroller via the AMP-3 sensor board module.



**\*Caution:** PCT-3 sensor probe must be wet at all times to maintain its best condition; a dried sensor can cause the PCT-3 unit to become defective.

## Specifications

PCT-3

### Package Contents

PCT-3 EC & Temp Sensor 1pc

### Working Environments

Temperature 32-122°F (0-50°C)

Humidity ≤90%

### Package Dimensions

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

### Output

Connector Mini DIN male connector

### Accuracy

Accuracy ± (0.05+2%) mS/cm

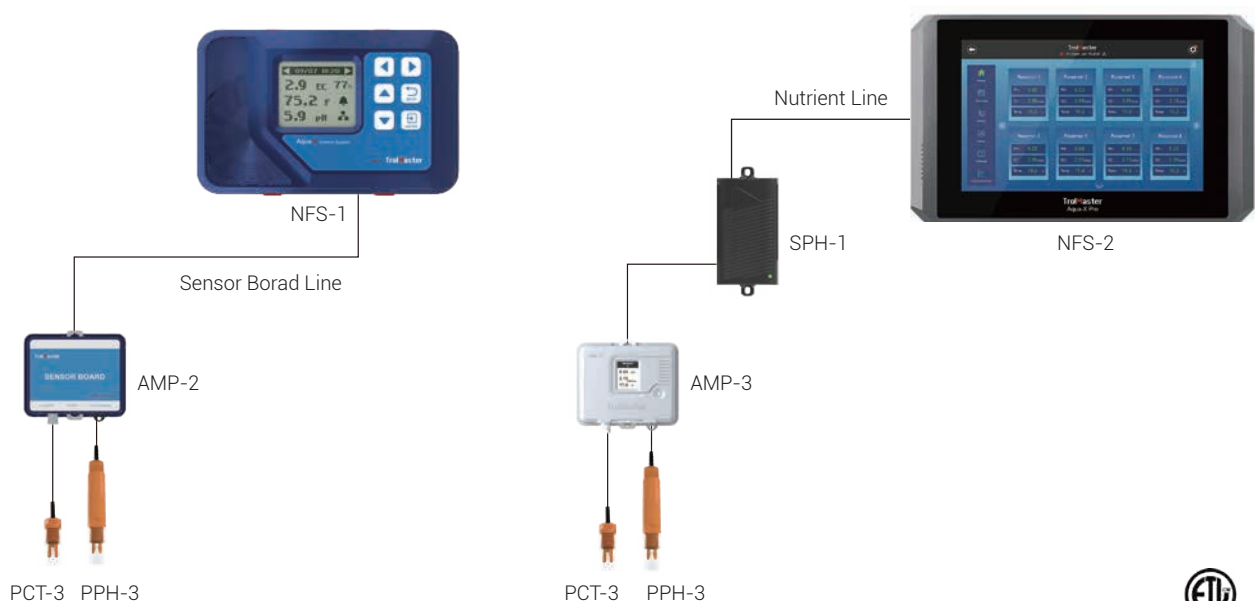
### Range

Range 0~5mS/cm

## Link Up

PCT-3

### CONNECTION DIAGRAM



PCT-3 PPH-3

PCT-3 PPH-3



# 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**