



pH Amplifier Assembly

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Step 1



pH wiring requires the use of a four-wire plus shield cable. Proceed as follows:

- Wire the CPC end (controller end) of the cable as follows:
 1. Terminal 1 - Red wire - (+15V)
 2. Terminal 2 - White wire - (Signal Negative)
 3. Terminal 3 - Green wire - (Signal Positive)
 4. Terminal 4 - Black wire - (Ground)
- Do not plug the CPC in just yet. Proceed at the pH amplifier end.
- Thread BNC end of pH probe wire through the nut, grommet, fitting and attach to the BNC elbow as shown. Place the grommet and tighten the nut.
- Strip off 3 or 4 inches of insulation from the cable and thread through the top fitting as shown in picture. Strip off the four wire ends and tighten the top fitting nut.

Step 2



- Attach four position terminal block and tighten the four captive screws.
- **Make sure there are no wiring errors.** Numbered from top to bottom, the terminal block is wired correctly if:
 1. Red wire - terminal one
 2. Green wire - terminal two
 3. White wire - terminal three
 4. Black wire - terminal four
- To test the connection, plug in the CPC end of the cable at the controller. **Using a voltmeter, make sure there is +15V between red and black wires at the terminal block**

Step 3



- Plug in the wired terminal block onto the header on the board, exactly as shown.
- Replace the enclosure cover and tighten the four brass screws.
- Proceed with calibration.