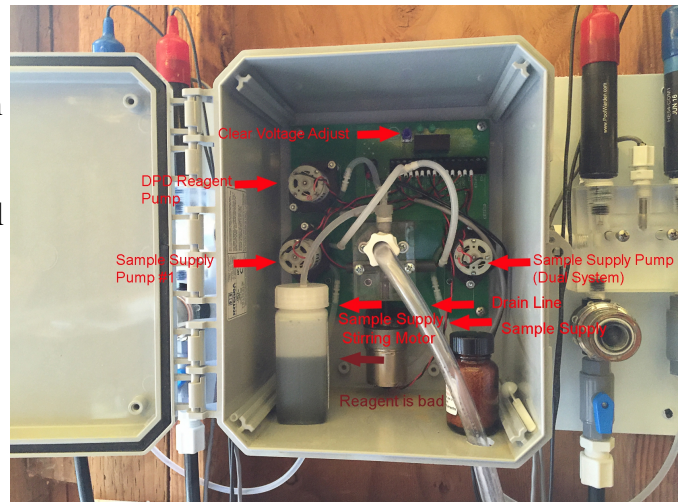


Thank you for your purchase of our TrueDPD free chlorine sensor. The following steps should be taken to ensure proper operation.

1. After the TrueDPD is installed and connected to the MiniWarden or PoolWarden, it is important to have an unobstructed drain line. If you need to have a longer drain line run a pipe or hose larger than the drain line to create an air gap, otherwise the discharge water will collect and created enough back pressure to keep the flow cell from draining properly.

2. Fill reagent bottle with distilled water and 1 scoop of DPD powder or use optional pre-mixed reagent. Pre-mixed reagent is more expensive but will last longer in heat. Reagent selection is in TrueDPD Setup in System Menu. The proper reagent type must be selected for it to read properly. If reagent is black then it must be changed. Test frequency can also be selected in the same menu. Choices are 5,10,15,30 & 60 minutes.



3. Make sure DPD pump is primed by turning it on in the TrueDPD Manual menu on the controller. You will see it getting pumped into the sample cell. About 5 seconds and turn off. Next, make sure sample supply lines are connected and control valves at flow cell are open then flush out sample by turning on flow in same menu for about 10 seconds. (you will see a small stream of fluid coming out the drain tube)

4. When programming chlorine feed, you have the choice of controlling levels via PPM, ORP and PPM with ORP backup. Feed cycles will depend on which of these methods you choose. An article called TrueDPD Feed Cycles will help with programming.

5. Make sure reagents are good. If using powder you must use distilled water. Tap, pool or other bottled waters will not work when using the powder.

6. Make sure clear voltage is reading around 4-4.5v. The TrueDPD will operate between 3.5-5v but it is good to have a buffer to allow for micro bubbles in the test cell which will lower the voltage. The voltage can be adjusted with the blue dial at the top of the TrueDPD board. Counter clockwise increases and counter clockwise decreases it. It is important to protect sample cell from ambient light as this will give a high reading. Close door as much as possible when adjusting and then close it to verify voltage is in proper range. Voltage can be observed in TrueDPD Manual Menu and when initiating a manual test sequence which can be started by pressing the number 6 on the keyboard from the main screen and then pressing 9. The manual screen is shown right.

