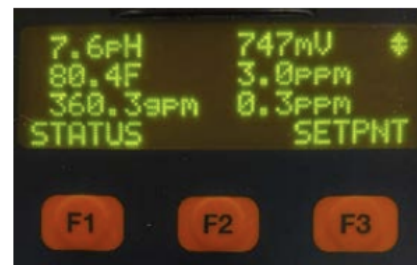




## Prominent Edge Setpoints

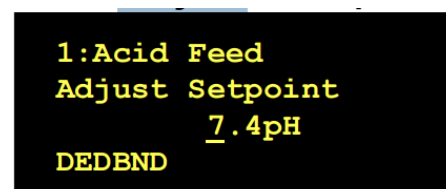
- ✓ Setpoints are the desired values that a system tries to maintain and will be different for every body of water. It takes time to get setpoints correct, up to a full month after install or any major construction..
- ✓ Setpoints can vary depending on factors such as the season, probe lifespan, and chemical readings.
- ✓ Setpoints can be found by pushing the **F2 SETPNT** or **MENU** button.



Setpoint is the ideal point where the chemical controller stops pumping chemicals. Example: if you set PPM to 3.0 the chemical controller will pump until 3.0 and turn off.

### Adjusting Setpoints

- 1) Press **SETPNT (F3)** on home screen OR press the MENU button and use the  up/down buttons to **Adjust Setpoints** Press OK 
- 2) Choose which relay you would like to set: ORP, pH, PPM
- 3) Use the arrow keys to change the setpoint, then press OK to save the new Setpoint.



### Deadband

**DEDBND (F1)**: Defines your On setpoint. To know where your on point is, subtract the deadband from the setpoint. Deadbands are used to prevent the controller from turning on and off chemical pumps too rapidly. In Time Modulate feed mode, the deadband is used to determine the percentage of time the pump will run when approaching setpoint.



\*these numbers are just examples

### Tips for Setpoints & Deadbands:

- Different types of feed modes.
  - **Time Cycling**– Where the controller can be programmed with how long to turn on the chemical pump to add chemicals and how long to stop and reevaluate the chemical level before turning back on the chemical pump. Usually used for small bodies of water or bodies of water with long runs from controller to pool.
  - **Time Modulate**– Feeds chemicals based on distance between the on and off setpoint. For example, with a Chlorine setpoint of 3ppm and an On point of 2ppm (determined by deadband), at 2.5ppm the pump will feed for 50% of the time entered in the period setting.
  - **ON/Off**–The controller turns on when needed and off when setpoint is reached.
- It is very normal to see the chemical pumps run and then pause for a few minutes before pumping again.

VivoAquatics Support: 1-888-702-8486