

pH measurement

1. Use of buffers (pH 4, 7 and 10) to calibrate the probe and meter according to the manufacturer's directions. Simply, choose Channel 2 and then pH by touching the screen. Calibrate the meter using the buffers. The slope should be above 90%.
2. Collect enough sample water so that you can submerge the tip of the probe. Rinse the probe with DI water before placing it in the samples.
3. Place the probe in the sample. Touch "Mea." and wait. The screen will show "stable" when the signal becomes steady. If it is taking a long time to equilibrate, you may try gently stirring the probe. However, do not agitate the sample since this may cause changes in the pH.
4. Read the pH directly from the meter according to the manufacturer's directions.

Conductivity measurement

1. Conductivity meters can be calibrated using a standard KCl of a known value. Often a value of 1420 $\mu\text{S}/\text{cm}$ is used. To do that, touch Channel 1 and then "Cond.", put the probe in the standard KCl. Touch "standard" twice and then input 1420 $\mu\text{S}/\text{cm}$.
2. Rinse the probe with DI water before placing to samples. Place the probe in the sample and wait until "stable" show on the screen.
3. Read the EC directly form the meter.