



## Aqua TROLL 500/600/700/800 pH/ORP Sensor

The In-Situ pH sensor measures pH levels in natural water, surface water, groundwater, produced water and aquaculture applications.



You must have a **Temperature** or **Conductivity/Temperature** sensor installed to use the pH/ORP sensor.

### Getting Started (3 steps)

#### 1 Replace the reference filling solution.



Before calibration and deployment, replace the filling solution according to the instructions below. Repeat filling procedure between deployments or when measurements begin to drift.



Remove sensor from sonde and unscrew reference junction.



Don't pour solution down the drain. Pour it onto a paper towel and discard.



Lightly shake the bottle of reference filling solution to mix.



Insert the fill tube into the bottom of reservoir.



Squeeze a steady stream of solution into the reservoir while slowly pulling out the tube.



Overfill slightly. Reinstall reference junction cap and tighten until it touches sensor body.



Turn the cap 90° more (one quarter of a turn) to secure.

## 2 *Install sensor.*



Remove restrictor from the instrument.



Remove sensor port plug if installed. Do not twist.



Lubricate o-ring at bottom of sensor.



Install sensor. Do not twist.

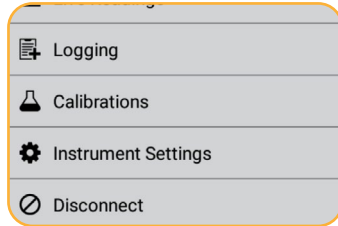


Place restrictor in calibration mode.

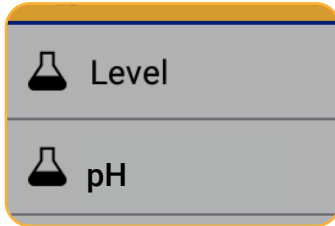
## 3 *Calibrate and deploy.*



Connect to the instrument with VuSitu.



Select **Calibrations** from the menu.



Choose the **pH** option and follow the instructions.



Flip the restrictor into deployment mode after calibration



For detailed calibration instructions, see the instruction manual or quick start guide for your In-Situ instrument.

## Cleaning and Storing the Sensor



Do not store the pH/ORP sensor in DI water. It will deplete the reference solution and drastically reduce the life of the sensor.

### Storage



Dampen the sponge inside the sensor storage cap with Storage Solution or pH 4 calibration standard.



Replace the caps at both ends of the sensor. Use electrical tape to seal the storage cap.



Salt crystals may form on the sensor during storage. These are normal and will not interfere with sensor performance.