Aqua TROLL 500/600/700/800 Chloride Sensor

The In-Situ chloride sensor measures chloride 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 Chloride sensor.

Getting Started (5 steps)

1 Replace the reference filling solution.

Before calibration and deployment, condition the chloride sensor and replace the filling solution according to the instructions below. Repeat conditioning procedure between deployments.

Remove sensor from sonde and unscrew reference junction.

Discard old solution.

Lightly shake the bottle of reference filling solution and turn upside down 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 Condition the sensor.

Soak sensor for a minimum of two hours in 355 mg/L chloride standard or the highest standard you plan to use during calibration.

Soak overnight for the best long-term results. Rinse thoroughly with deionized water prior to calibration.

3 Install sensor.

Remove restrictor from the instrument.

Remove sensor port plug if installed. Do not twist.

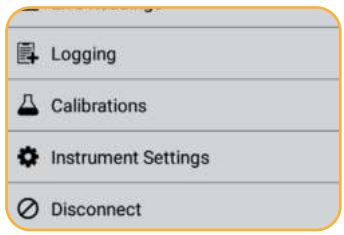
Lubricate o-ring at bottom of sensor.

Install sensor. Do not twist.

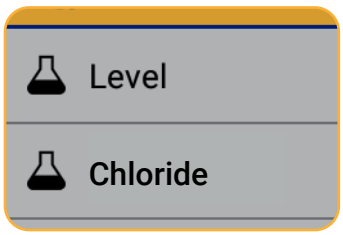
Place restrictor in calibration mode.

4 Calibrate and deploy.

Connect to the instrument with VuSitu.



Select **Calibrations** from the menu.



Choose the **Chloride** 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 Chloride 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.