

# Salinometer Calibration

Under Factory Calibration Mode

Applied model: ATO-WQT-3171

1. Prepare three concentrations of saline (Note 1): 10% (100ppt), 3.5% (35ppt), 2% (20ppt), see (Note 2) for the configuration method;
2. Press ON key to turn on the machine, the screen displays "----";
3. Press and hold the CAL key until the screen displays "SE-C", at this time the salinometer is in factory calibration mode (salinity);
4. In the "SE-C" mode, insert test head part of the salinometer into the 10% (100ppt) concentration saline; inserted into the 100ppt solution, the instrument's screen will light up, automatically calibrate the value of 100ppt; salinometer auto-calibration is completed, issued two short sound "Beep" sound; press the shutdown button to shut down and save the data, 100ppt calibration is complete;
5. Repeat steps 2~4, when salinometer is in "SE-C" mode, insert test head into two different saline with concentrations of 3.5% (35ppt) and 2% (20ppt) respectively, and complete the calibration of 35ppt and 20ppt concentrations. (Note 3)

**Note 1:** For 1.00~1.045/0~55 PPT range variation, the calibration concentrations are 2%, 3.5%,5.5%.

**Note 2:** 20 grams of sodium chloride, 980 grams of purified water, are configured as 20 ppt brine, and so on.

**Note 3:** All three concentrations of brine need to be calibrated for a complete calibration process; the three concentrations are calibrated in any order; when the salinometer detects a solution that is an approximate 20 ppt concentration, it will be calibrated to 20 ppt at the current concentration of the solution.