

Measurement Procedures

SensION6 Portable Dissolved Oxygen Meter

Step 1

Remove electrode from calibration and storage chamber using a pulling rather than twisting motion.

Step 2

Add weight assembly to probe unless water is too low.

Step 3

Insert probe into water at a depth not less than 6 inches.

If water is less than 6 inches deep, you must ensure that the silver dot on the side of the probe is submerged (this dot is not visible when using the weight assembly).

Step 4

Agitate probe quickly to dislodge any possible air bubbles from the probe tip.

Step 5

Press the blue I/O exit button to turn meter on unless already done. Meter will automatically begin reading. The word Stabilizing... will be solid in the upper left hand corner.

Step 6

Holding onto cable, create a steady stirring motion with electrode being mindful not to create additional bubbles. If there is swift moving water at your location disregard this step.

Step 7

Wait for series of beeps and a padlock symbol to appear in lower left hand corner. If the meter beeps quickly, take a couple additional readings before proceeding to next step.

Step 8

Record DO readings in both percent saturation (%) and milligrams per liter (mg/l) onto field data sheet. Press conc % (numeric key 5) to toggle between the two numbers. Also record temperature readings.

Step 9

Repeat steps 6 through 8 for the second reading.

Step 10

Remove weight assembly if used.

Step 11

Press blue I/O exit button to turn meter off and return electrode to calibration and storage chamber.

Step 12

Secure meter in the case for transport.



Meter Care...

For each three meter set (pH, dissolved oxygen, and turbidity) the SRCC made an initial investment of \$2,200. Please follow these tips to ensure we have the longest life possible for this equipment:

- DON'T throw or toss meters around either in or out of their cases.
- DON'T leave meters in your car for extended periods of time on hot or cold days.
- DON'T submerge meters in the water.
- DON'T hold a meter by the cord.
- DON'T detach electrode cord from the meter unless you read and understand the relevant manual instructions first.
- DO firmly grasp the meter from the underside when holding.
- DO keep meters in an upright position when storing in their case.
- DO keep cases in an upright position when transporting.
- DO remove the sample vial from the turbidimeter when finished.