

## **Instructions for Calibrating the Conductivity Meter:**

The solutions standard is 447  $\mu\text{S}/\text{cm}$ .

Keep in mind:

- Calibrate the meter prior to each sampling event and record on data sheet
  - Store calibration standard in a cool, dark place
1. Put a small amount of the 447  $\mu\text{S}/\text{cm}$  solution into the cap for the conductivity meter (fill the cap less than half way full).
  2. Switch on the meter. Put the probe into the conductivity solution. Give it a couple of seconds to stabilize. The meter rounds to the nearest value of 10 so the meter should read **450  $\mu\text{S}/\text{cm}$**  for the known standard of 447 $\mu\text{S}/\text{cm}$ .
  3. If the conductivity probe is not reading to the known standard solution, unscrew the battery compartment lid (top) and press the one of the small white keys to enter calibration mode and adjust reading to match the standard.
    - The first press of a white button will cause a flash of the 1-point calibration screen.
    - Then continue to use the white buttons to adjust the reading. One button will decrease the number and other will increase the value. Push the buttons until the reading is 450. Then wait.
    - After 3 seconds without a key press, the display flashes CO. The tester accepts the calibration value and automatically returns to measurement mode.
    - Remove the meter from the solution and then return it to make sure it still measures 450. Turn off the meter.
    - Replace the battery compartment lid.
  4. Replace cap and pour the standard solution into your waste container.

## **Measuring Conductivity**

- Remove electrode cap. Turn the meter on (On/Off key).
- Dip electrode in waterbody. Make sure the sensor is fully covered.
- Wait for reading to stabilize
- Press 'Hold' and record reading on data sheet

## **Instrument Maintenance:**

If the conductivity meter is not calibrating correctly try rinsing the electrode with alcohol to remove oils or sediment from electrodes (use q-tips if the probes are dirty). Then rinse with water and gently blot dry with a paper towel. Be sure probes are dry when storing the meter.

If you are still having difficulty calibrating the meter, you can always contact me with questions and ask me to come take a look.

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