

## TDS/Conductivity Test with HACH SensION5

PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING TESTS.  
**Wear gloves at this station.**

**Note: Calibrate instrument at least once each day of use** prior to beginning analysis.

### Calibration

1. Turn meter on, being sure electrode is securely attached.
2. Rinse electrode with DI water and shake off excess.
3. Dip the electrode in a TDS standard pouch of **447 mS**.
4. Press **CAL**, then use the arrow keys to scroll to 18.00 mS/cm. Then use the keypad to enter **447.0** and press **ENTER**.
5. When reading stabilizes the meter will store the standard information and switch to measuring mode.

### Measuring

1. The samples will be poured into small cups and numbered at the Fill Station. Retrieve as many samples to analyze at a time as you are comfortable with.
2. Put a stir bar in the sample and place the cup on a stir plate. Turn the stir plate on so that the bar continuously mixes the sample.
3. Rinse the electrode with a DI water bottle and shake off excess.
4. Place electrode in sample, being sure electrode is submerged.
5. Press **TDS** to measure Total Dissolved Solids, or **COND** to measure Conductivity. Wait for meter to stabilize, then record reading in appropriate column of data sheet. Meter can be switched from **TDS** to **COND** without removing electrode from sample. Record both.
6. Be sure to rinse the electrode with DI water between samples.
7. Discard used liquid in the waste container and throw cups away.

