

# YSI ProSolo Field Guide

## Reminders

- Calibrate the instrument at the lake level before every sampling event.
- Ensure probe is kept in a moist environment.
- Anchor at sampling site.
- Record DO readings in mg/L.

## How to Take a DO and T Profile

- Lower probe over the side of the boat.
- Lower the probe until the sensor is submerged just below the surface of the water (the "0 m" reading).
- Take measurements every 1 m until probe is 1 m above lake sediment.
- Allow readings to stabilize before lowering probe.

## Calibration

- Wet sponge or place a small amount of water in the calibration cup.
- Make sure there are no water droplets on the sensor cap.
- Attach probe guard and carefully slide into calibration cup ensuring a seal is not created.
- Turn instrument on and wait ~10 minutes.
- Push the *Cal* key, select *ODO* then select *DO%*.
- Observe the measurement readings for stability (white line shows no change for 40 seconds).
- Select *Accept Calibration*.

## Probe Maintenance

- Clean sensor using water and lint-free cloth to avoid scratching.
- Replace the cap every 12 to 24 months.
- If sensor cap is left dry for longer than 8 hours, it must be rehydrated by soaking it in tap water for 24 hours. Recalibrate after soaking.

## Storage

At the end of the sampling season, prepare your instrument for long-term storage through the winter.

- Remove the batteries and clean away any corrosion.
- Clean the instrument following the procedures in the instrument's manual.
- The sensor should never be stored dry. Ensure the sponge is wet or the calibration cup is filled with water and check that it remains moist throughout the winter.

## Contact Information

Contact our office for assistance:

- Phone: **1-877-BCLAKES**
- Email: **info@bclss.org**



*For more information, consult the instrument's user manual.*