

Full Sonde Calibration Log Sheet

Sonde ID: _____ Date: _____ Time: _____ Calibrator's Initials: _____
Battery Check (V): _____ Field User's Initials (if different from Calibrator): _____
Temperature (°C): _____ *Temperature must be recorded for all Calibrations
(even single probe calibrations)!*

IMPORTANT: *If any probe on the sonde needs to be replaced (e.g., does not calibrate correctly anymore, too old, etc.), YOU MUST FIRST complete the full calibration process on the old probes (filling out all of the applicable sections) before replacing it with a new probe. After the new probe is installed, fill out a second Calibration Log Sheet (in the applicable sections) for the new probe's calibration. Both sets of calibration data are necessary for quantifying the probe's quality during the period immediately before it was replaced.*

DO Probe Calibration

Routine Maintenance Checklist:

1. *Check the age of the DO probe. It should be no more than 2 years old for 600 XL YSIs. First 3 characters of Serial # _____
Is it too old? Yes or No*
2. *Is the D.O. Membrane > 30 days old? Yes or No If so, it needs to be changed regardless of the amount of use it has seen.*
3. *For Clark-Cell 6 series YSI sondes, is the D.O. charge <100? Yes or No
If not, then resurface the probe's electrodes with sandpaper.*
4. *Note: For YSI ProDSS; ODO Gain acceptable performance range is 0.75 - 1.25*

Atmospheric Pressure (mm Hg): _____ New DO Membrane Installed

Initial % Sat: _____ Final % Sat: _____

Initial DO (mg/L): _____ Final DO (mg/L): _____ DO Charge: _____

Specific Conductance Probe Calibration

Routine Maintenance Checklist:

1. *For best accuracy, Specific Conductivity should be calibrated according to the expectations of the streams/sites you will be sampling. It may be necessary to recalibrate between streams/sites due to extreme differences between streams/sites (e.g., 1000 vs. 10000 $\mu\text{mhos/cm}$). Was Specific Conductance calibrated accordingly?
 Yes or No*
2. *Be sure to check the age of the Specific Conductivity probe. It should be no more than 3 years old. First 3 characters of Serial # _____
Is it too old? Yes or No*

Conductivity Solution ($\mu\text{mhos/cm}$): _____

Initial Sp Cond ($\mu\text{mhos/cm}$): _____ Final Sp Cond ($\mu\text{mhos/cm}$): _____

Low-End Sp Cond Check (i.e., <5 $\mu\text{mhos/cm}$)

Solution: Deionized or Distilled Water Sp Cond ($\mu\text{mhos/cm}$): _____

Monthly Mid-Range Sp Cond Check (e.g., 500 or 1000 $\mu\text{mhos/cm}$)

Conductivity Solution ($\mu\text{mhos/cm}$): _____ Sp Cond ($\mu\text{mhos/cm}$): _____

