Instructions for Calibrating pH, Dissolved Oxygen, and Turbidity Sensors

pH Sensor:

1. Experiment → Calibrate → Go Link pH
2. Calibrate Now
3. Fill a small bottle with pH 4 buffer
4. Rinse pH probe; blot dry
5. Place the pH sensor in the pH 4 buffer
6. Type "4" in the box; click Keep
7. Rinse and blot dry
8. Fill a small bottle with pH 10 buffer
9. Place the pH sensor in the pH 10 buffer
10. Type "10" in the box; click Keep; click Done
11. Test calibration with pH 7 and either pH 4 or 10 (between all measurements, rinse sensor and blot dry)
12. Hint – during use, it may be necessary to add a small amount of KCL (potassium chloride) powder to your samples in order to allow the pH sensor to correctly measure the pH of your solutions

DO Sensor:

1. Experiment → Calibrate → LabPro DO
2. Calibrate Now
3. Put sensor in the brown bottle (0 mg/L solution)
4. Type "0" in the box; click Keep
5. Rinse and blot dry
6. Fill empty, clear, O-ring bottle ½ full with tap water
7. Put the sensor through the O-ring; put the O-ring on the bottle so that the sensor tip is NOT in the water – it is in the air above the water
8. Type "8.7" in the box; click Keep; click Done
9. Test calibration with both the 0 mg/L solution and the O-ring (between all measurements, rinse and blot dry)

Turbidity Sensor:

1. Experiment → Calibrate → Go Link Turbidity
2. Calibrate Now
3. Wipe the inside of the sensor and the outside of the 100 NTU standard bottle carefully with a Kimwipe
4. Put the 100 NTU standard bottle into the sensor (line up the arrows) and close the lid
5. Type "100" in the box; click Keep
6. Put distilled water in the clear bottle
7. Wipe the inside of the sensor and the outside of the clear bottle carefully with a Kimwipe
8. Put the clear bottle into the sensor (line up the arrows) and close the lid\
9. Type "0" in the box; click Keep; click Done

10. Test the 100 NTU standard and the 0 NTU distilled water – wipe the inside of the sensor and the outside of the bottles with a Kimwipe before each measurement