

YSI 6-Series Multiprobe Optical Dissolved Oxygen Membrane Replacement

Introduction

YSI 6-Series Multiprobe optical dissolved oxygen (DO) membranes must be replaced on an annual basis. Each optical DO membrane has unique **Calibration Coefficients** that must be entered to the multiprobe via the 650 Multiparameter Display System (MDS) or using a computer with EcoWatch software. The 650 MDS or computer must also be used to enter the membrane's **Temperature Coefficient**.

Optical DO Membrane Kit (6155) Instructions

Locate the instructions sent with your new 6155 optical DO membrane kit. **Read and follow instructions.**

Calibration Coefficients Entry

Locate the *Calibration Code Label* on the back page of the instructions and note the five numbers that are listed as K1 through K4 and C on the label. Follow instructions for Calibration Code entry.

After all entries are made, from the **Main** multiprobe menu, select **Calibrate/Optic –T Dissolved Oxy** and then select **4-View cal sheet**. Review each entry to ensure all values are entered correctly.

The *Calibration Code Label* must be kept in case these values need to be re-entered and/or to confirm correct Calibration Codes are entered to your multiprobe. With a pair of scissors remove the *Calibration Code Label* or make a copy and attach the label to the back page of the last used calibration page in your SWQM Multiprobe Logbook. Next to the *Calibration Code Label* write the date the membrane was changed. CWQMN program participants use bound multiprobe logbooks. Attach the *Calibration Code Label* to the next available log book page and write the date the membrane was replaced.

Temperature Coefficient Entry

You will receive a membrane manufactured after November 2011. Membranes manufactured after this date have a membrane temperature coefficient of **1.32 %** per degree C. The 1.32 value must be manually entered to your multiprobe using your 650 MDS or computer with EcoWatch software. Follow instructions for temperature coefficient entry.

After entry is made, from the **Main** multiprobe menu, select **Advanced/Sensor/ODO temp co.** Review entry to ensure value is entered correctly.