

CALIBRATION WORK SHEET

Date of Calibration: 9/13/2015
 Technician: Gelpi

Sonde ID: B36006144

RP DO membrane changed? Y *Note: Wait 3 to 6 hours before calibrating for unattended deployments; run in Discrete mode for 10 minutes to accelerate burn in. (Rapid Pulse DO Only)*
 RP DO membrane o-ring changed? Y
 Turbidity wiper changed? Y N Chlorophyll wiper changed? Y N
 ROX DO wiper changed? Y N BGA-PE wiper changed? Y N
 BGA-PC wiper changed? Y N Rhodamine wiper changed? Y N

Note: If parking problems occur with optical probes having a serial number 07L (Dec 07) or older, be sure the firmware is 3.06 or later. Parking issues with optical probes having a serial number prior to 07L may be related to a dirty wiper body or pad.

Record sonde battery voltage: 11V6 (if applicable)

Record Calibration Values
 Standard Pre Cal / Post Cal

Record the following diagnostic numbers after calibration.

6560 Conductivity cell constant 5.07216 Range 5.0 ± .45

Integrated conductivity cell constant _____ Range 5.0 ± .70

pH mv Buffer 7 -39 Range 0 ± 50 mv

pH mv Buffer 4 _____ Range +180 ± 50 mv*

pH mv Buffer 10 -188.5 Range -180 ± 50 mv *

*Note: Millivolt span between pH 4 and 7 should be ≈ 165 to 180 mv
 Millivolt span between pH 7 and 10 should be ≈ 165 to 180 mv

DO charge (RP only) 40 Range 25 to 75

DO gain 1.493 Range 0.7 to 1.4

ODO gain _____ Range 0.85 to 1.15

Turbidity standard used in calibration _____

Manufacturer and part number _____

Barometric Pressure: 755.65 mmHg

DO % Calculated - (BARO mmHg divided by 7.6) = % saturation
 Example: 760 ÷ 7.6 = 100.0%

Depth Calibration - If zero was entered, record barometric pressure at time of calibration _____ mmHg

Depth Calibration - If offset depth was entered, record value _____ meters/feet and pressure _____ mmHg

Depth Calibration (Vented) - Acceptable calibration constant: 0.0 psig ± 0.15 _____

	Standard	Pre Cal / Post Cal
Temperature	_____	Sonde _____
Conductivity	<u>50</u>	<u>48.76</u> / <u>50.00</u>
pH 7	<u>7</u>	<u>7.5170</u>
pH 4	_____	_____
pH 10	<u>10</u>	<u>9.6510</u>
ORP	_____	_____
Turbidity	_____	_____
Turbidity	_____	_____
Turbidity 0.5	_____	_____
Chlorophyll	_____	_____
Chlorophyll	_____	_____
DO RP	<u>set at 13821</u>	<u>99.6%</u>
DO ROX	_____	_____
BGA PE/PC	_____	_____
BGA PE/PC	_____	_____
Rhodamine	_____	_____

Notes: Timing for YSI was 6 minutes a head of cell.
DO gain is out of range
 pH offset (pH-7) * K = -223451
 pH gain (pH-7) * K/mV = -6.05768