

CALIBRATION WORK SHEET

Date of Calibration: Dec 7, 2015
 Technician: Gelpi

Sonde ID: 036061 AA

RP DO membrane changed? Y N *Note: Wait 3 to 6 hours before calibrating for unattended*
 RP DO membrane o-ring changed? Y N *deployments; run in Discrete mode for 10 minutes to accelerate burn in. (Rapid Pulse DO Only)*
~~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: 10.6V (if applicable)

Record Calibration Values
 Standard Pre Cal / Post Cal

Record the following diagnostic numbers after calibration.

6560 Conductivity cell constant 4.93128 Range 5.0 ± .45

Integrated conductivity cell constant _____ Range 5.0 ± .70

7.08 pH mv Buffer 7 -5.3 mv Range 0 ± 50 mv

4.18 pH mv Buffer 4 170.1 Range +180 ± 50 mv*

996 pH mv Buffer 10 -186.2 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) 52.3 Range 25 to 75

DO gain 1.24765 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: 30.08 inHg
764.032 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	Sonde
Temperature	_____	_____
Conductivity	<u>50</u>	<u>51.34</u> / <u>50.91</u>
pH 7	<u>7.0</u>	<u>6.34</u> / <u>7.0</u>
pH 4	<u>4.0</u>	<u>1</u> / <u>4.18</u>
pH 10	<u>10.4</u>	<u>10.10</u> / <u>10.00</u>
ORP	_____	_____
Turbidity	_____	_____
Turbidity	_____	_____
Turbidity 0.5	_____	_____
Chlorophyll	_____	_____
Chlorophyll	_____	_____
DO RP	_____	<u>99</u> / <u>100.5</u>
DO ROX	_____	_____
BGA PE/PC	_____	_____
BGA PE/PC	_____	_____
Rhodamine	_____	_____

Notes: *remeasured 7.04/10.0 pH solution, obtained 7.08*

clock: 7:13 smk 8:23:38. Reinsert on old pH=10 solution opened on 9/26/2015, get 9.68 (-163.5 mv). Tertot with 10 mS/cm and measure 10.31 mS/cm. New pH sense. pH offset: 0.171566, pH gain -4.82871. time adjusted, set to record 12/8/2015, 11am for 24 hour. To see sample