

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this name.

Meter ID: DEP 154181 RQ- 2018-08-20-21 Project: SUNAWAN = N.

- Notes:** (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site 07-11-18 10

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 07-11-18

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	P.O'Connor	08-21-18	0715	23.8	8.44	8.45	100.1	—	—	(P) F	(L) F
ICV	✓	✓	0720	24.0	8.42	8.42	100.0	—	—	(P) F	(L) F
CCV	P.O'Connor	08-21-18	1350	25.2	8.23	8.37	101.7	—	—	(P) F	(L) F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	P.O'Connor	08-21-18	0725	180711A	07-2019	1000	1000	(P) F	(L) F
ICV	✓	✓	0728	180321A	04-2019	100	102.1	(P) F	(L) F
CCV	P.O'Connor	08-21-18	1352	180711A	07-2019	1000	981	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	P.O'Connor	08-21-18	0730	2803E45	03-2020	7.0	7.00	—	P / F	L / F
Calibr.	✓	✓	0740	2803D38	03-2020	4.0	4.00	—	P / F	L / F
Calibr.	✓	✓	0745	2711527	04-2019	10.0	10.0	—	P / F	L / F
ICV	✓	✓	0748	2803E45	03-2020	7.0	7.03	—	P / F	L / F
CCV	P.O'Connor	08-21-18	1355	2803D38	03-2020	4.0	4.07	-160.9	(P) F	L / F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes No If yes, list date of last quarterly depth verification 07-11-18

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

BD QC / Scanned 8/28/18 JP 8/28/18