

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: 123476 "GIL"

RQ: 2019-05-13-26

Project: Continuous Mon.

- 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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 5/6/19

DO DEPSO FT 1500	Name	Date	Time Offset	Temp C/F	DO Gain mV/L	DO Charge mV/L	DO Gain mV/L	DO Charge mV/L	DO Gain mV/L	DO Charge mV/L	P/F	L/F
Calibr.											P/F	L/F
ICV											P/F	L/F
CCV	J. Pines	5/7/19	1525	23.7	8.46	8.38	98.9	—	1.02	—	P/F	L/F
CCV	J. Pines	5/14/19	1420	21.7	8.794	8.85	100.5	—	—	—	P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

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

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

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

Spec. Conductivity FT 1200	Name	Date	Time Offset	Temp C/F	DO Gain mV/L	DO Charge mV/L	DO Gain mV/L	DO Charge mV/L	DO Gain mV/L	DO Charge mV/L	P/F	L/F
Calibr.	J. Pines	5/7/19	1527	19.01/6A	1/2020	1000	1000	—	—	—	P/F	L/F
ICV	↓	↓	1529	18.05/7A	5/2019	100	104	—	—	—	P/F	L/F
CCV	J. Pines	5/14/19	1422	18.05/7D	5/2019	10,000	10,292	—	—	—	P/F	L/F
CCV											P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEPSO FT 1000	Name	Date	Time Offset	Temp C/F	DO Gain mV/L	DO Charge mV/L	DO Gain mV/L	DO Charge mV/L	DO Gain mV/L	DO Charge mV/L	P/F	L/F
Calibr.	J. Pines	5/7/19	1531	28.1/803	10/2020	7.0	7.0	-7.5	—	—	P/F	L/F
Calibr.			1533	48/2966	11/2020	4.0	4.0	177.8	—	—	P/F	L/F
Calibr.			1535	28.4/620	10/2019	10.0	10.0	-181.5	—	—	P/F	L/F
ICV	↓	↓	1537	28.4/620	11/2019	10.0	10.0	—	—	—	P/F	L/F
CCV	J. Pines	5/14/19	1422	48/2966	11/2020	4.0	4.2	—	—	—	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 10 174.0, slope from 4 to 7 183.3 (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

Depth Sensor DEPSO FT 1000	Name	Date	Time Offset	Temp C/F	DO Gain mV/L	DO Charge mV/L	DO Gain mV/L	DO Charge mV/L	DO Gain mV/L	DO Charge mV/L	P/F	L/F
Pressure mode in air	J. Pines	5/7/19	1539	0.00	0.00	—	—	—	—	—	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: