

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

Boldly "X" this box if there are qualified data on this page.

Meter ID: **154179**

RQ: **2022-05-16-30**

Project: **SMP**

- 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification **06/27/22**

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	BO	08/01/22	0727	27.7	765.1	8.7	7.92	99.9	—	1.06	P	F
ICV	↓	↓	0731	27.6	765.1	7.9	7.94	102.1	—	—	P	F
CCV	↓	↓	1348	25.1	765.6	8.5	8.50	102.3	—	—	P	F
CCV											P	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 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	BO	08/01/22	0733	210330B	01/30/21	5000	5001	P	F
ICV	↓	↓	0739	220413C	04/2023	1000	984	P	F
CCV	↓	↓	1350	220413D	04/2023	100	98.9	P	F
CCV								P	F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	BO	08/01/22	0744	213754	06/2023	7.	27.8	25.1	-25.1	P	F
Calibr.	↓	↓	0748	215478	07/2023	4.	27.9	4.01	153.1	P	F
Calibr.	↓	↓	0752	205284	10/2022	10.	27.8	9.97	-202.1	P	F
ICV	↓	↓	0757	215178	07/2023	4	26.7	3.93	157.4	P	F
CCV	↓	↓	1354	213754	06/2023	7	23.3	7.11	-30.5	P	F
CCV										P	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 **177**, slope from 4 to 7 **178.2** (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? **YES** / NO / NA (not surf. water project)
 If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: **06/27/22**

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

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	BO	08/01/22	0800	0.00	0.001	P	F

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

COMMENTS: