

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: **TREND**

RQ: **2022-11-28-11**

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 **9/27/22**

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.	S. Slade	12/12/22	0820	21.6	762.4	8.8	8.82	99.9	-	1.0795	P	L/F
ICV	S. Slade	12/12/22	0822	21.7	762.4	8.8	8.82	100.0	-	-	P	L/F
CCV	S. Slade	12/12/22	1226	21.6	761.5	8.9	8.81	99.9	-	-	P	L/F
CCV											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 (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 umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	S. Slade	12/12/22	0824	220413B	04/2023	10,000	10,005	P	L/F
ICV	S. Slade	12/12/22	0826	2200413C	04/2023	1,000	998	P	L/F
CCV	S. Slade	12/12/22	1228	220413D	04/2023	100	100.2	P	L
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.	S. Slade	12/12/22	0828	1LD0599	08/2023	7.02	21.7	7.02	-15.0	P	L/F
Calibr.	S. Slade	12/12/22	0830	1LE0260	06/2023	4.01	21.7	4.01	156.4	P	L/F
Calibr.	S. Slade	12/12/22	0832	1LF0738	08/2023	10.04	21.7	10.04	-154.8	P	L/F
ICV	S. Slade	12/12/22	0834	1LE0260	06/2023	4.01	21.7	4.05	153.3	P	L/F
CCV	S. Slade	12/12/22	1230	1LD0599	08/2023	7.0	21.1	7.04	-15.7	P	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 **171.4** (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: **9/27/22**

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	S. Slade	12/12/22	0835	0.00	0.00	P	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: