

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: **15479**

RQ: **2021-10-18-24**

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

6/1/2021

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	10/19	0711	23.0	765.1	8.6	8.64	100.1			P / F	L / F
ICV	S. Slade	10/19	0713	23.6	765.1	8.6	8.66	100.3			P / F	L / F
CCV	S. Slade	10/19	1420	23.3	764.5	8.6	8.89	103.9			P / F	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 (Probe 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	10/19	0715	210330 B	04/2022	5000	5000	P / F	L / F
ICV	S. Slade	10/19	0717	210525 C	06/2022	1000	989	P / F	L / F
CCV	S. Slade	10/19	1423	210525 B	06/2022	100	100.9	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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	S. Slade	10/19	0719	202114	05/2022	7.	21.2	7.02	-13.9	P / F	L / F
Calibr.	S. Slade	10/19	0721	205283	10/2022	4.	21.2	4.00	166.7	P / F	L / F
Calibr.	S. Slade	10/19	0723	201473	05/2022	10.	22.0	10.04	-190.0	P / F	L / F
ICV	S. Slade	10/19	0725	205283	10/2022	4.0	21.2	3.96	164.3	P / F	L / F
CCV	S. Slade	10/19	1425	202114	05/2022	7.8	22.2	7.05	-15.5	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 **17.6** (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: **6/1/21**

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	10/19	0726	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.

REMARKS: