

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: Hedler

RQ: 2021-02-15-23

Project: SMP 4 CM

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 01/27/2021

DO FDEP SOP FT 1500	Name	Date	Time GT-ET	Temp °C	Baro- meter mmHg	DO Chart mg/L	Meter DO mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Drew Lid 214	02/22/21	0740	22.4	757	8.6	8.61	99.6	—	1.06	(P) F	(L) F
ICV	//	//	0742	22.4	757	8.6	8.63	99.7	—	1.06	(P) F	(L) F
CCV	//	16/14	0744	22.3	757	8.7	8.63	99.3	—	1.06	(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 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 200	Name	Date	Time GT-ET	Lot #	Expir. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Drew Lid 214	02/22/21	0744	1102199	01/23	1000	1000	(P) F	(L) F
ICV	//	//	0746	2008616	07/22	100	100.3	(P) F	(L) F
CCV	//	//	16/16	2009A62	08/22	50K	49785	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time GT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Drew Lid 214	02/22/21	0748	202114	05/22	7.0	22.6	7.01	157.6	(P) F	(L) F
Calibr.	//	//	0750	2014891	10/22	4.0	22.8	4.01	157.6	(P) F	(L) F
Calibr.	//	//	0752	2014723	05/22	10.0	22.7	10.01	198.2	(P) F	(L) F
ICV	//	//	0754	201473	05/22	10.0	22.8	10.03	198.2	(P) F	(L) F
CCV	//	//	16/18	2011891	10/22	4.0	23.1	4.03	163.2	(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 _____, slope from 4 to 7 _____ (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: 01/27/2021

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 GT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	Drew Lid 214	02/22/21	0756	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: