

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: 2021-12-13-42

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 11/4/21

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.	J. Hode	12/8/21	0716	22.4	761.0	8.7	8.69	100.2		1.6680	(P) F (L) F	
ICV	J. Hode	12/8/21	0712	22.4	761.0	8.7	8.73	100.4			(P) F (L) F	
CCV	J. Hode	12/8/21	1131	18.8	761.8	9.3	9.56	102.4			(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 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	J. Hode	12/8/21	0713	210330B	04/2022	5000	5002	(P) F (L) F	
ICV	J. Hode	12/8/21	0718	210125E	06/2022	5000	49605	(P) F (L) F	
CCV	J. Hode	12/8/21	1134	210525B	06/2022	100	100.5	(P) F (L) F	
CCV								P / F	L

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.	J. Hode	12/8/21	7:09	20214	5/22	7.	21.2	7.02	-15.1	(P) F (L) F	
Calibr.	J. Hode	12/8/21	0719	205283	10/2022	4.	22.0	4.00	160.3	(P) F (L) F	
Calibr.	J. Hode	12/8/21	0721	201473	05/2022	10.	22.1	10.03	-19.0	(P) F (L) F	
ICV	J. Hode	12/8/21	0723	205283	10/2022	4.0	22.6	4.04	158.6	(P) F (L) F	
CCV	J. Hode	12/8/21	1138	201473	05/2022	10.0	20.9	10.06	-19.0	(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 10 177.9, slope from 4 to 7 125.4 (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: 11/4/21

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	J. Hode	12/8/21	0724	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: