

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

press 9/13/22
S. Slade
Boldly "X" this box if there are qualitative data on this page

Meter ID: 154179 RQ: 2022-0617-37 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 _____

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.	Hannah H.	9/13/22	722	23.1	760	8.6	8.56	100.1	150		P/F	L/F
ICV	Hannah H.	9/13/22	727	23.3	760	8.6	8.58	100.1	151.8		P/F	L/F
CCV	F. Buter	9/13/22	14:06	21.4	760	8.7	9.09	104.3			P/F	L/F
CCV				22.1			9.00	103.4			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.	Hannah H.	9/13/22	730	220413D	04/23	100	101.9	P/F	L/F
ICV	Hannah H.	9/13/22	733	220413C	04/23	1000	985	P/F	L/F
CCV	F. Buter	9/13/22	1400	220413D	4/23	100	98.6	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.	Hannah H.	9/13/22	737	213754	06/23	7.	22.6	7.01	-11.9	P/F	L/F
Calibr.	Hannah H.	9/13/22	739	1LE0260	08/23	4.	24.5	4.00	163.5	P/F	L/F
Calibr.	Hannah H.	9/13/22	745	205284	10/22	10.	22.9	10.02	-18.5	P/F	L/F
ICV	Hannah H.	9/13/22	7:56	1LE0260	6/23	4.0	22.6	3.97	169.1	P/F	L/F
CCV	Frank Buter	9/13/22	14:03	213754	6/23	7.0	22.4	7.08	-16.0	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 _____, 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: 6/27/22

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	F Buter	9/13/22	7:55	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:

Navarre Run

NA 6-14