

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: Hodor

RQ- 2024-07-08-09

Project: 5MP

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 06/12/2024

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.	Drew L. Bick	07/24/24	0716	23.3	765.3	8.6	8.58	100.7	—	1.03	P/F	L/F
ICV	Drew L. Bick	07/24/24	0720	23.5	765.3	8.6	8.59	101.1	—	1.03	P/F	L/F
CCV	Drew L. Bick	07/24/24	1400	27.8	765.0	7.9	7.94	101.0		1.03	P/F	L/F
CCV	Andrew Luering										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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Drew L. Bick	07/24/24	0722	240209B	02/25	1000	1000	P/F	L/F
ICV	Drew L. Bick	07/24/24	0724	240209A	02/25	1000	98.3	P/F	L/F
CCV	Andrew Luering	07/24/24	1401	240209B	2/2025	1000	997	P/F	L/F
CCV	Andrew Luering	7/24/24	1404	240209A	02/2025	100	98.3	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.	Drew L. Bick	07/24/24	0724	240117B	07/25	7.00	24.3	7.00	-23.3	P/F	L/F
Calibr.	Drew L. Bick	07/24/24	0728	240153A	01/26	4.01	24.2	4.01	152.3	P/F	L/F
Calibr.	Drew L. Bick	07/24/24	0728	240117C	07/25	10.00	24.2	10.00	-194.3	P/F	L/F
ICV	Drew L. Bick	07/24/24	0730	240117C	07/25	10.00	24.2	9.99	-194.4	P/F	L/F
CCV	Drew L. Bick	07/24/24	1406	240209C	8/2025	4.00	23.6	3.98		P/F	L/F
CCV	Andrew Luering									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, slope from 4 to 7 175.6 (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: 06/12/2024

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	Drew L. Bick	07/24/24	0732	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: