

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

Meter ID: The One

RQ- 2023-08-07-56

2024-04-01-43

Project: ZSLR 24104

Boldly "X" this box if there are qualified data on this page.

- Notes: (1) Always wait for meter to stabilize before recording any readings. (See special instructions for depth).
 (2) Report all digits displayed. Do not round before reporting measurements. Do not record initial meter reading before calibration.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 3/28/24

DO FDEP 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.	Samantha Gelineas	4/22/24	7:14	25.8	760.0	8.1	8.15	100.0	—	1.037	P/F	L/F
ICV	11	11	7:16	25.7	760.0	8.2	8.18	100.3	—	—	P/F	L/F
CCV	Samantha Gelineas	4/22/24	15:18	25.9	760.4	8.1	8.08	99.0	—	—	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 moles/cm	Meter Reading μ moles/cm	Pass / Fail	Lab Field
Calibr.	Samantha Gelineas	4/22/24	7:04	2309J21	9/25	2500	2500	P/F	L/F
ICV	11	11	7:06	2306J21	6/25	100	104.3	P/F	L/F
CCV	Samantha Gelineas	4/22/24	15:14	2311L37	11/25	50000	49922	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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.	Samantha Gelineas	4/22/24	7:07	2305H95	4/25	6.99	26.4	7.00	-624	P/F	L/F
Calibr.	11	11	7:09	2309H15	8/25	4.01	26.3	4.01	119.8	P/F	L/F
Calibr.	11	11	7:11	2308P48	2/25	10.00	26.2	9.99	230.5	P/F	L/F
ICV			7:12	2309H15	8/25	4.01	26.3	3.97	—	P/F	L/F
CCV	Samantha Gelineas	4/22/24	15:17	2308P48	2/25	10.01	25.4	9.94	—	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 10 168.1, slope from 4 to 7 182.2 (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: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Slippery disk Date of last verification: 11/7/24

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						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: