

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:

The One

RQ:

2023-03-20-35

Project:

Ref SCT

- 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 01/18/23

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.	Thomas Baker	03/20/23	0702	22.2	765.6	8.7	8.62	102.7		1.0305	P/F	L/F
ICV	Thomas Baker	03/20/23	0704	22.2	765.6	8.7	8.78	100.9			P/F	L/F
CCV	Thomas Baker	03/20/23	1340	21.9	766.0	8.8	8.86	101.7			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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	03/20/23	0710	4207m90	7/24	2500	2500	P/F	L/F
ICV	Thomas Baker	03/20/23	0711	2207695	7/24	100	102.9	P/F	L/F
CCV	Thomas Baker	03/20/23	1346	4207m90	7/24	2500	2465	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.	Thomas Baker	03/20/23	0720	2205654	5/24	7.07	22.0	7.07	-32.9	P/F	L/F
Calibr.			0723	2207815	6/24	4.00	21.8	4.00	123.6	P/F	L/F
Calibr.			0727	4208577	2/24	10.04	22.5	10.04	-208.3	P/F	L/F
ICV	Thomas Baker	03/20/23	0730	2207815	6/24	4.02	21.8	4.01		P/F	L/F
CCV	Thomas Baker	03/20/23	1348	4208577	2/24	10.04	22.5	10.06		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 10 170.4, slope from 4 to 7 181.5 (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: 040123 Date of last verification: 04/01/23

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: