

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: NR19 RQ- 2022-08-01-62 Project: HAR-Response

- 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.	Sam Eriksen	11/25/2023	1152	22.8	759.4	8.743	8.83	99.3		1.10541	P/F	L/F
ICV	Sam Eriksen	11/25/2023	1203	21.5	759.2	8.743	8.78	99.5			P/F	L/F
CCV	Sam Eriksen	11/25/2023	1421	25.4	751.1	8.263	8.13	99.9			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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Sam Eriksen	9/25/2023	1124	D9197	6/4/20/2023	1413	1413	P/F	L/F
ICV	Sam Eriksen	01/25/2023	1131	A1623C	01/01/2023	200	197.2	P/F	L/F
CCV	Sam Eriksen	01/25/2023	1406	D9187	04/20/2023	1418	1410	P/F	L/F
CCV	Sam Eriksen	01/25/2023	1408	A1623C	01/01/2023	200	198.1	P/F	L/F

Conductivity Acceptance criteria ± 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.	Sam Eriksen	01/25/2023	1136	2109M33	09/29/23	7.	20.9	10.9	-269.7	P/F	L/F
Calibr.	Sam Eriksen	01/25/2023	1139	2108B68	08/06/23	4.	21.0	8.70	-174.0	P/F	L/F
Calibr.	Sam Eriksen	01/25/2023	1143	2101D70	07/14/23	10.	20.8	12.42	-338.8	P/F	L/F
ICV	Sam Eriksen	01/25/2023	1145	2101D70	07/14/23	10	20.9	9.99	-343.3	P/F	L/F
CCV	Sam Eriksen	01/25/2023	1414	2108B68	08/06/23	4	21.9	2.87	-145.3	P/F	L/F
CCV	Sam Eriksen	01/25/23	1418	2101D70	07/14/23	10	21.2	12.00	-320.7	P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 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: _____

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						P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: pH probe failed. New probe back ordered.