

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: **FT 1500** RQ: **2021-01-11-36** 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 **10/27/20**

DO	Temp	Baro	D.O.	D.O.	% DO	Probe	Probe	Pass	Lab
FT 1500	Temp	meter	Chart	Meter		Charge	Gain		
Name	Date	Time	CT-ET	Lot #	Standard	Meter	Reading	Pass	Lab
Spec. Cond.	Date	Time	CT-ET	Lot #	Expir.	Date	Reading	Pass	Lab
FT 1200	Date	Time	CT-ET	Lot #	Expir.	Date	Reading	Pass	Lab
Calibr.	Kelly M. L.	1/28/21	6:55	22.9	76.1	8.6	99.9	1.4385	1/28/21
ICV	Kelly M. L.	1/28/21	6:59	22.9	76.1	8.6	8.59	100.0	1/28/21
CCV	Kelly M. L.	1/28/21	13:30	25.0	76.3	8.3	8.33	100.8	1/28/21
CCV	Kelly M. L.	1/28/21	13:32	25.0	76.3	8.3	8.33	100.8	1/28/21

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.

Conductivity Acceptance criteria ± 5%

pH	Name	Date	Time	Lot #	Expir.	pH	Temp	Meter	mV	Pass	Lab
FT 1100			CT-ET		Date	Buffer	°C	reading		Fail	Field
Calibr.	Kelly M. L.	1/28/21	7:09	202114	5/22	7.15	23.5	7.15	-43.1	P/F	P/F
Calibr.	"	"	7:12	203325	7/22	4.	23.9	4.13	22.5	P/F	P/F
Calibr.	"	1.1	7:15	203539	6/22	10.	23.8	10.10	-307.5	P/F	P/F
ICV	1.1	1.1	7:18	202114	5/22	7.0	23.6	6.96		P/F	P/F
CCV	Kelly M. L.	1/28/21	13:35	203539	6/22	10.0	23.3	10.18		P/F	P/F
CCV										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	Name	Date	Time	Calibrated	Offset, meters	ICV Value, meters	Pass / Fail	Lab / Field
(Daily Calibration & ICV)				Value (0.00 or				
Pressure mode in air								

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

COMMENTS: