

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

2019-07-01-12

Project: Calibration/Check

RD: 2019-07-01-13

Meter ID: SWEC

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

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	Time	Temp	Baro	D.O.	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
Date	Time	Temp	Baro	D.O.	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
7/1/19	0805	27.5	757.3	7.9	7.89	99.6	N/A	N/A	N/A	(P) F	F
7/1/19	0820	27.2	757.3	7.90	7.9	99.5	N/A	N/A	N/A	(P) F	F
7/1/19	1531	27.8	750.3	7.9	7.81	99.3				(P) F	F
7/1/19	1531	27.8	750.3	7.9	7.81	99.3				(P) F	F
7/1/19	1531	27.8	750.3	7.9	7.81	99.3				(P) F	F

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.	Name	Date	Time	Lot #	Expir.	Standard	Meter	Reading	Pass	Lab
Spec.	Name	Date	Time	Lot #	Expir.	Standard	Meter	Reading	Pass	Lab
FT 1200	Cond.	7/1/19	0750	2904020	07/21	1000	1000	1000	(P) F	F
Calibr.		7/1/19	0750	2904020	07/21	1000	1000	1000	(P) F	F
ICV		7/1/19	0752	2904020	07/21	1000	1000	1000	(P) F	F
CCV		7/1/19	0833	2809550	09/20	10,000	10,000	10,000	(P) F	F
CCV		7/1/19	0833	2809550	09/20	10,000	10,000	10,000	(P) F	F

Conductivity Acceptance criteria $\pm 5\%$

Date	Time	Lot #	Expir.	pH	Temp	Meter	Reading	Pass	Lab
Date	Time	Lot #	Expir.	pH	Temp	Meter	Reading	Pass	Lab
7/1/19	0755	191304	03/21	7.00	26.6	7.00	26.6	(P) F	F
7/1/19	0757	190072	01/21	4.00	26.4	4.01	26.4	(P) F	F
Calibr.		190072	01/21	4.00	26.4	4.01	26.4	(P) F	F
Calibr.		190090	03/21	10.00	26.4	9.98	26.4	(P) F	F
ICV		191303	03/21	4.00	26.5	3.95	26.5	(P) F	F
CCV		191040	03/21	18.00	24.9	18.00	24.9	(P) F	F
CCV		191040	03/21	18.00	24.9	18.00	24.9	(P) F	F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $\pm 180 \pm 50$; mV pH 10 Range $\pm 180 \pm 50$.
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: 06/21/19
Unique ID: 33123 Date of last verification: 06/21/19

Name	Date	Time	Calibrated	Offset, meters	ICV Value, meters	Pass	Lab
Name	Date	Time	Calibrated	Offset, meters	ICV Value, meters	Pass	Lab
Depth Sensor							
(Daily Calibration & ICV)							
Pressure mode in air							

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

COMMENTS: