

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: ONEK

RQ:

Project: CC HMIN

- 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 03/19/19

DO DEP SOP FT 1500	Name	Date	Time CI-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.	M. DUGAN	03/20/19	0706	25.1	756.3	8.19	8.20	100			(P) F	(L) F
ICV	"	"	0707	25.1	756.2	8.19	8.22	99.5		1.0126	(P) F	(L) F
CCV	N. Reistad	03/20/19	1516	23.8	755.5	8.39	8.43	99.7			(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 CI-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	03/20/19	0702	2808890	08/20	1000	1000	(P) F	(L) F
ICV	"	"	0705	1805228	09/19	9887 ⁴⁰	9887	(P) F	(L) F
CCV	N. Reistad	03/20/19	1520	2811E60	11/20	50,000 ^{10,000}	47,707	(P) F	(L) F
CCV	II	II	1523	2812A65	12/20	100	104	(P) F	(L) F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CI-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	03/20/19	0708	187681	11/20	6.997	24.9	7.00	-11.5	(P) F	(L) F
Calibr.	"	"	0715	187188	11/20	4.010	24.9	4.01	167.8	(P) F	(L) F
Calibr.	"	"	0718	186877	10/20	10.013	25.0	10.01	-187.2	(P) F	(L) F
ICV	"	"	0720	186877	10/20	10.013	25.0	9.99		(P) F	(L) F
CCV	N. Reistad	03/20/19	1527	187681	11/20	6.994	25.6	7.09		(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 _____, 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: 03/06/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 3312; Date of last verification: 12/26/18

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CI-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	N. Reistad	03/20/19	0900	0.00	0.00	(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: