

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: SNEK RQ: 2019-02-11-34 Project: GOM

- 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 12/26/2018

DO	Name	Date	Time	Temp	Baro	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
DEP SOP			CT-ET	°C	meter	Chart	D-O		Charge	Gain	/	/
FT 1500					mmHg	mg/L	mg/L				Fail	Field
Calibr.	M. DUGAN	02/14/19	0708	25.4	762.8	8.23	8.21	100.4			(P/F)	(L/F)
ICV	"	"	0710	25.5	762.8	8.24	8.22	100.4		1.0207	(P/F)	(L/F)
CCV	"	"	1750	22.5	760.8	8.04	7.99	99.1		1.0207	(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.	Name	Date	Time	Lot #	Expir.	Standard	Meter	Pass	Lab
Cond.			CT-ET		Date	umhos/cm	Reading	/	/
FT 1200							umhos/cm	Fail	Field
Calibr.	M. DUGAN	02/14/19	0704	2810C27	10/20	1000	1000	(P/F)	(L/F)
ICV	"	"	0706	2711C27	11/19	50,000	49,914	(P/F)	(L/F)
CCV	"	"	1747	2711C27	11/19	50,000	49,832	(P/F)	(L/F)
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Expir.	pH	Temp	Meter	mV	Pass	Lab
DEP SOP			CT-ET		Date	Buffer	°C	reading		/	/
FT 1100						SU		SU		Fail	Field
Calibr.	M. DUGAN	02/14/19	0714	185764	08/20	6.997	24.7	7.00	-6.4	(P/F)	(L/F)
Calibr.	"	"	0717	185488	08/20	4.010	24.7	4.01	167.9	(P/F)	(L/F)
Calibr.	"	"	0719	185490	09/20	10.013	24.7	10.01	-185.0	(P/F)	(L/F)
ICV	"	"	0720	185490	09/20	10.012	27.5	10.01	9.50	(P/F)	(L/F)
CCV	"	"	1782	185764	08/20	6.997	25.2	7.01		(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 10 178.6, slope from 4 to 7 174.3 (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: 3312-B; Date of last verification: 12/26/18

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass	Lab
(Daily Calibration & ICV)			CT-ET	Value (0.00 or Offset), meters	meters	/	/
Pressure mode in air						Fail	Field
						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: