

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

Meter ID: 900502

RQ: 2019-3-11-30

Project: GOM

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 of Last Temperature Verification 12/26/18

DO	Name	Date	Time	Temp	DO	Meter	% DO	Probe	Probe	Pass	Lab
DEP SOP								Change	Gain	Fail	Field
FT 1500											
Calibr.	S. Corfax	3/11/19	0707	29.4	24.4	9.6	100.0	—	1.034	0/F	0/F
ICV	"	"	0705	22.1	76.9	7.97	100.1	—	—	0/F	0/F
CCV	S. Corfax	3/11/19	1628	24.7	758.7	8.34	100.5			0/F	0/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.								Fail	Field
FT 1200									
Calibr.	S. Corfax	3/11/19	0705	2810C27	10/20	100.0	100.0	0/F	0/F
ICV	"	"	0701	2810C41	10/20	50.0	50.1	0/F	0/F
CCV	S. Corfax	3/11/19	1624	2711C27	11/19	50.000	50.009	0/F	0/F
CCV								P/F	L/F

Conductivity Acceptance criteria ± 5%

pH	Name	Date	Time	Lot #	Expir	pH	Temp	Meter	Pass	Lab
DEP SOP									Fail	Field
FT 1500										
Calibr.	S. Corfax	3/11/19	0710	1876081	11/20	6.991	26.7	7.00	0/F	0/F
Calibr.	"	"	0711	1876027	11/20	4.012	26.3	4.00	0/F	0/F
Calibr.	"	"	0715	1860277	10/20	10.003	26.4	9.99	0/F	0/F
ICV	"	"	0710	1876027	11/20	4.011	25.8	4.04	0/F	0/F
CCV	S. Corfax	3/11/19	1646	1860877	10/20	10.003	25.0	10.05	0/F	0/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: 12/26/18

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: DEEP 027 Date of last verification: 12/26/18

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass	Lab
(Daily Calibration & ICV)				Value (0.00 to 0.05m)	Meters	Fail	Field
Pressure mode in air				Off-Depth meters		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: