

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: Nix Pro Blue

RQ:

Project: SMP Continuous

- 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 01/18/23

DO FDEP SOP FT 1400	Name	Date	Time CET/ET	Temp °C	Baro meter mmHg	D.O. Chart mg/l	Meter D.O. mg/L	% DO	Probe Chart	Probe Chart	Pass	Fail
Calibr.	WILLIAM MULLIN	03/01/23	0747	22.6	763.4	8.7	8.70	100.6		1.158	(P) F	(L) F
ICV	"	"	0750	22.7	763.4	8.7	8.69	100.6			(P) F	(L) F
CCV	WILLIAM MULLIN	03/15/23	1458	21.8	763.1	8.8	9.00	102.7			(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	Name	Date	Time	Lot #	Exp. Date	Standard	Meter	Pass	Fail
Gain			ET/ET			Weight/gm	Reading		
FDEP SOP							m/s		
Calibr.	WILLIAM MULLIN	03/01/23	0751	2209K36	09/24	50,000	50,000	(P) F	(L) F
ICV	"	"	0756	2205H08	05/24	10,000	10,144	(P) F	(L) F
CCV	WILLIAM MULLIN	03/15/23	1500	2209K36	09/24	50,000	50,012	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

PH DEP SOP FT 1400	Name	Date	Time CET/ET	Temp °C	Baro mmHg	Exp Date	pH Buffer SU	Temp °C	Meter Reading SU	Pass	Fail	
Calibr.	WILLIAM MULLIN	03/01/23	0758	22.05	763.4	05/24	7.01	21.4	7.01	-62.8	P/F	L/F
Calibr.	"	"	0803	22.07	761.5	06/24	4.01	20.4	4.01	110.5	P/F	L/F
Calibr.	"	"	0807	42.08	767.7	02/24	10.05	21.1	10.05	-230.2	P/F	L/F
ICV	WILLIAM MULLIN	03/01/23	0810	22.07	761.5	06/24	4.01	20.7	4.01		P/F	L/F
CCV	WILLIAM MULLIN	03/15/23	1305	42.08	767.7	02/24	10.08	19.14	10.09		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 10 168.4, slope from 4 to 7 173.3 (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: 33123; Date of last verification: 02/01/23

Depth Sensor (Baro Calibration & ICV)	Name	Date	Time CET/ET	Calibrated Value (0.00 or 0.05m) meters	ICV Value meters	Pass	Fail
Pressure mode in air						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: