

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: Pro Meter RQ: 2020-08-24-85 Project: SNP

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

6/8/20

DO	FT 1500	Name	Date	Time	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.		Barnett	8/2/20	0000	23.2	757.2	8.5	8.52	99.6	-	-	(P) F	(P) F
ICV					23.2	757.3	8.5	8.52	99.7	-	-	(P) F	(P) F
CCV		Barnett	8/2/20	1215	22.9	758.5	8.6	8.55	99.5	-	-	(P) F	(P) F
CCV		Barnett	8/2/20	1215	22.9	758.5	8.6	8.55	99.5	-	-	(P) F	(P) F

DO Acceptance criteria from Table ± 0.3 mg/L.

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 range 0.7 to 1.4; DO charge range 25-75.

Rapid-Pulse Sensors: DO gain range 0.7 to 1.4; DO charge range 25-75.

Spec. Cond.	FT 1200	Name	Date	Time	Lot #	Expir.	Standard μmhos/cm	Meter Reading μmhos/cm	Pass / Fail	Lab / Field
Calibr.		Barnett	8/2/20	0704	1002475	2/2	10000	10000	(P) F	(P) F
ICV					0704	2007617	1000	982	(P) F	(P) F
CCV		Barnett	8/2/20	1218	2909448	9/2	50000	49098	(P) F	(P) F
CCV		Barnett	8/2/20	1218	2909448	9/2	50000	49098	(P) F	(P) F

Conductivity Acceptance criteria ± 5%

pH	FT 1100	Name	Date	Time	Lot #	Expir.	pH Buffer	Temp °C	Meter reading	SU	Pass / Fail	Lab / Field
Calibr.		Barnett	8/2/20	0705	200388	2/2	7.00	24.1	7.01	-	(P) F	(P) F
Calibr.					200052	2/2	4.00	24.2	4.00	-	(P) F	(P) F
ICV					197602	1/2	10.02	24.5	10.01	-	(P) F	(P) F
CCV					200052	2/2	4.00	24.1	8.97	-	(P) F	(P) F
CCV		Barnett	8/2/20	1220	197602	1/2	10.03	23.9	9.97	-	(P) F	(P) F

If mV are recorded: slope from 7 to 10 mV pH 7 Range 0 ± 50; slope from 4 to 7 mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;

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: Unique ID: 0668345 Date of last verification: 7/7/20

If NO, what will be used? (circle one) Secchi Disk Line / Sonar

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
						P / F	L / F

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

Form effective August 1, 2018