

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

Meter ID: **SNEK**

RQ: **2020-04-06-35**

Project: **SMD: large high**

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 **6/08/20**

DO	Name	Date	Time CT-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
DEP SOP FT 1500												
Calibr.	Gary Sneed	6/11/20	0720	23.1	759.0	8.5	8.48	99.9		1.2739	P/F	L/F
ICV	"	"	0724	23.4	759.1	8.5	8.51	99.9			P/F	L/F
CCV	Gary Sneed	"	1555	21.5	758.5	8.8	8.82	99.9			P/F	L/F
CCV												

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 & Charge N/A.

Spec. Cond.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
FT 1200									
Calibr.	Gary Sneed	6/11/20	0738	2003C68	03/22	1000	1000	P/F	L/F
ICV	"	"	0740	1002B20	02/22	100	103.6	P/F	L/F
CCV	Gary Sneed	"	1556	2003C68	03/22	1000	970	P/F	L/F
CCV									

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
DEP SOP FT 1100											
Calibr.	Gary Sneed	6/11/20	0728	197048	01/21	7.01	24.2	7.01	-98.0	P/F	L/F
Calibr.	"	"	0730	200052	02/22	4.00	24.3	4.00	56.4	P/F	L/F
Calibr.	"	"	0732	196994	11/21	10.00	24.0	10.0	-260.0	P/F	L/F
ICV	"	"	0734	200052	02/22	4.00	24.1	3.92		P/F	L/F
CCV	Gary Sneed	"	0958	196994	11/21	10.00	22.8	10.19		P/F	L/F
CCV											

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: _____
If NO, what will be used? (circle one) **Secchi Disk Line** / Sonar Unique ID: **3312B**; Date of last verification: **12/20/19**

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