

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: **2021-03-01-56**

Project: **SMP CANALS**

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 **02/11/21**

DO	Name	Date	Time	Temp	DO	Temp	DO	Temp	DO	Temp	DO	Temp
FDEP SOP												
FT 1500												
Calibr.	Chris Harmoth	3/3/21	0718	23.8	756.1	8.4	8.39	99.5		1.294	P/F	L/F
ICV	↓		0721	23.8	756.1	8.4	8.42	99.6			P/F	L/F
CCV	11	11	1423	24.1	756.0	8.4	8.41	99.9			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	Temp	DO	Temp	DO	Temp	DO	Temp	DO	Temp
Gain												
FT 1200												
Calibr.	Chris Harmoth	3/3/21	0708	1009989	08/22	2500	2500		P/F	L/F		
ICV	↓		0705	2007676	07/22	100	99.5		P/F	L/F		
CCV	11		0417	1009989	08/22	2500	2499		P/F	L/F		
CCV									P/F	L/F		

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Temp	pH	Temp	pH	Temp	pH	Temp	pH	Temp
FDEP SOP												
FT 1400												
Calibr.	Chris Harmoth	3/3/21	0706	202114	05/22	7.000	23.5	7.01	-29.5	P/F	L/F	
Calibr.	↓		0709	203325	07/22	4.008	23.5	4.00	151.8	P/F	L/F	
Calibr.	↓		0712	2010579	04/22	10.023	23.5	10.02	-201.6	P/F	L/F	
ICV	↓		0715	203325	07/22	4.008	23.5	3.98		P/F	L/F	
CCV	11		1428	2010579	04/22	10.033	23.2	10.08		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 **172.1**, slope from 4 to 7 **181.3** (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: **3312B**; Date of last verification: **02/11/21**

Depth Sensor	Name	Date	Time	Temp	Depth	Temp	Depth	Temp	Depth	Temp	Depth	Temp
ICV												
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: