

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:

TREND YSI

RQ:

2022-05-16-28
2021-05-16-02

Project:

TREND / Smf

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

4/1/2022

DO DEP SOP FT 1500	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
Calibr.	S. Slode	5/18	0714	25.3	74.6	8.3	8.29	100.8	-	6106	(P) F	(L) F
ICV	S. Slode	5/18	0716	25.0	74.6	8.3	8.31	100.3	-		(P) F	(L) F
CCV	S. Slode	5/18	1647	24.8	740.1	8.3	8.45	102.3	-		(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. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	S. Slode	5/18	0718	210330B	9/2022	5000	5004	(P) F	(L) F
ICV	S. Slode	5/18	0720	210525C	06/2022	1000	994	(P) F	(L) F
CCV	S. Slode	5/18	1649	210525B	06/2022	100	100.6	(P) F	(L) F
CCV								P / F	L

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	S. Slode	5/18	0722	213754	04/2023	7.01	23.8	7.01	-33.5	(P) F	(L) F
Calibr.	S. Slode	5/18	0724	215478	07/2023	4.01	24.8	4.01	147.2	(P) F	(L) F
Calibr.	S. Slode	5/18	0726	205284	10/2022	10.02	23.7	10.02	-199.8	(P) F	(L) F
ICV	S. Slode	5/18	0728	215478	07/2023	4.01	24.3	3.96	147.4	(P) F	(L) F
CCV	S. Slode	5/18	1651	205284	10/2022	10.0	21.7	9.99	-199.3	(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 10 160.3, slope from 4 to 7 180.7 (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: 4/1/2022

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

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	S. Slode	5/18	0729	0.000	0.00	(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: