

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: Frider RQ- 2021-08-16-46 Project: SMP: Tri County Fair

- 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 08/16/2021

DO FDEP 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.	William Miller	08/18/21	0737	23.1	759.5	8.6	8.53	99.7		1.044	P/F	L/F
ICV	William Miller	08/18/21	0739	23.1	759.4	8.6	8.54	99.7			P/F	L/F
CCV	Thomas Baker	08/18/21	1402	26.0	759.	8.1	8.16	100.4			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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	William Miller	08/18/21	0740	1009989	8/22	2500	2500	P/F	L/F
ICV	William Miller	08/18/21	0745	1006A32	5/23	100	103.6	P/F	L/F
CCV	Thomas Baker	08/18/21	0759	1009989	8/22	2500	2508	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	William Miller	08/18/21	0746	2103K23	3/23	7.00	23.6	7.00		P/F	L/F
Calibr.	William Miller	08/18/21	0748	4105A28	4/23	4.01	23.6	4.01		P/F	L/F
Calibr.	William Miller	08/18/21	0752	4102F52	08/22	10.02	23.6	10.02		P/F	L/F
ICV	William Miller	08/18/21	0755	4105A28	4/23	4.01	23.6	3.90		P/F	L/F
CCV	Thomas Baker	08/18/21	1405	4102F52	08/22	10.07	23.0	10.20		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 _____, 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: Deeper Blue; Date of last verification: 08/16/21

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: