

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: H000R

RQ: 2022-01-31-S0

Project: SMP

- 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 01/18/22

DO	Name	Date	Time	Temp	Baro	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
FDEP SOP			GT-ET	°C	meter	Chart	D.O.		Charge	Gain	/	/
FD 1500					mmHg	mg/L	mg/L				Fail	Field
Calibr.	A. Wering	1/31/22	0804	15.4	762	9.99	10.00	100.6	—	1.08	P/F	L/F
ICV	"	"	0809	15.8	762	9.91	9.93	100.2	—	1.08	P/F	L/F
CCV	S. Fischer	"	1516	30.1	760	7.5	7.49	99.1	—	1.08	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	Lot#	Expi.	Standard	Meter	Pass	Lab
Cond.			GT-ET		Date	umhos/cm	Reading	/	/
FD 1200							umhos/cm	Fail	Field
Calibr.	A. Wering	1/31/22	0812	1108FS1	08/23	1000	1000	P/F	L/F
ICV	"	"	0814	1105CS7	05/23	100	97.8	P/F	L/F
CCV	S. Fischer	"	1518	1105CS2	05/23	5000	5006	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot#	Expi.	pH	Temp	Meter	mV	Pass	Lab
FDEP SOP			GT-ET		Date	Buffer	°C	reading		/	/
FD 1100						SU		SU		Fail	Field
Calibr.	A. Wering	1/31/22	0816	213013	04/23	7.	17.4	703	-40.1	P/F	L/F
Calibr.	"	"	0819	2107846	07/23	4.	16.2	4.00	134.0	P/F	L/F
Calibr.	"	"	0822	1106829	11/22	10.	17.3	10.09	205.4	P/F	L/F
ICV	"	"	0825	1104829	11/22	10.	17.2	10.05	204.9	P/F	L/F
CCV	S. Fischer	"	1520	2110P40	09/23	4.	17.9	3.86	142.5	P/F	L/F
CCV							17.4			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 10 165.3, slope from 4 to 7 174.1 (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: 01/18/22

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

Depth Sensor	Name	Date	Time	Calibrated	ICV Value,	Pass /	Lab /
(Daily Calibration & ICV)			GT-ET	Value (0.00 or Offset), meters	meters	Fail	Field
Pressure mode in air	A. Wering	01/31/22	0827	0.00	0.0	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: