

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

Meter ID: M1304 BWT

RQ: 2023-04-24-70

Project: CONTINUOUS MONITORING

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 4/19/23

DO FDEP SOP FT 1500	Name	Date	Time CET	Temp °C	Baro meter mmHg	D.O. Charge mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass Fail	Lab Field
Calibr.	Gary Sule	5/2/23	0747	23.0	759.1	8.70	8.73	101.7	—	1.03	P/F	L/F
ICV	"	"	0750	23.0	759.0	8.70	8.72	101.8	—	—	P/F	L/F
CCV	Monica Jaeger	5/17/23	1234	26.1	758.6	8.10	8.18	101.0	—	—	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 CET	Lot #	Exp. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass Fail	Lab Field
Calibr.	Gary Sule	5/2/23	0752	2205H08	5/24	10,000	10,000	P/F	L/F
ICV	"	"	0754	2207695	7/24	100	101.9	P/F	L/F
CCV	Monica Jaeger	5/17/23	1236	2209K36	9/24	50000	49581	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CET	Lot #	Exp. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass Fail	Lab Field
Calibr.	Gary Sule	5/2/23	0756	2205B54	5/24	7.00	20.6	7.02		P/F	L/F
Calibr.	"	"	0758	1210718	9/24	4.00	19.8	4.00		P/F	L/F
Calibr.	"	"	0800	2207K01	2/24	10.0	18.4	10.0		P/F	L/F
ICV	"	"	0802	1210718	9/24	4.00	19.2	4.01		P/F	L/F
CCV	Monica Jaeger	5/17/23	1238	2207K01	8/24	10.04	22.4	10.21		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: _____; Date of last verification: _____

Depth Sensor Data Collection ICV	Name	Date	Time CET	Calibrated Value (0.00m 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: