

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

Meter ID:

254179

RQ:

2023-09-25-13

Project:

CMP

10/5/23
13:17
MB

daily "X" this box if there are quality 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

6/29/23

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.	NM	10/5/23	0820	21.9	762	8.8	8.8	100.2			P / F	L / F
ICV	↓	↓	0822	22.0	↓	↓	8.77	100.2			P / F	L / F
CCV	NB	↓	1502	21.8	760.1	8.8	8.34	106.4			P / F	L / F
CCV	NB	↓	1518	21.9	760.1	8.8	8.92	101.9			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.	NM	10/5/23	0824	230627B	7/24	5000	5000	P / F	L / F
ICV	↓	↓	0826	22221B	1/24	1000	1091	P / F	L / F
CCV	NB	↓	1429	230627D	7/24	50,000	49756	P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	NM	10/5/23	0830	1120696	8/24	7.	21.5	7.0		P / F	L / F
Calibr.	↓	↓	0832	1120866	5/24	4.	↓	4.0		P / F	L / F
Calibr.	↓	↓	0834	1120576	12/23	10.	↓	10.0		P / F	L / F
ICV	↓	↓	0836	1120866	5/24	4.0	↓	4.01	1438	P / F	L / F
CCV	NB	↓	1441	1120576	12/23	10.0	21.4	10.03	-148.9	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 ± 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 (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	NM	10/5/23	0840	0.00	0.00	P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: