

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: OLDMAN JENKINS

RQ: 2021-11-29-38

Project: FLOPPY CM

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 11/30/21

DO FDEP SOP FT 1400	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	Lab
Calibr.	Monica Jaeger	12/1/21	836	23.8	766.3	8.5	8.52	100.9		10045	P/F	L/F
ICV	11	11	838	23.9	766	8.5	8.52	101.0			P/F	L/F
CCV	William Miller	12/6/21	1135	24.5	763.7	8.4	8.40	100.7			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. Code FT 1400	Name	Date	Time CET	Lot #	Exp. Date	Standard mMoles/L	Meter Reading mMoles/L	Pass	Lab
Calibr.	Monica Jaeger	12/1/21	839	1106854	6/23	10,000	10,062	P/F	L/F
ICV	11	11	849	211062	09/23	100	102.1	P/F	L/F
CCV	William Miller	12/6/21	1136	1107655	5/23	50,000	50,470	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1400	Name	Date	Time CET	Lot #	Exp. Date	pH Buffer SU	Temp °C	Meter Reading SU	mV	Pass	Lab
Calibr.	Monica Jaeger	12/1/21	851	2107000	7/23	7.01	24.1	7.10	-16.1	P/F	L/F
Calibr.	11	11	853	2110040	9/23	4.01	24.1	3.98	166.8	P/F	L/F
Calibr.	11	11	855	2109476	3/23	10.01	24.0	9.99	185.7	P/F	L/F
ICV	11	11	859	2110440	9/23	4.01	24.0	3.99		P/F	L/F
CCV	William Miller	12/6/21	1139	2109476	3/23	10.02	24.2	9.99		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: 3312A; Date of last verification: 8/16/21

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CET	Calibrated Value (0.00 or Other) meters	ICV Value meters	Pass	Lab
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: