

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: Pro Mave

RO-2021-08-04-79

Project:

Date of Last Temperature Verification 5/18/21

Temperature (Quarterly) FT 1400

- 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.

DO	DEP SOP	Name	Date	Time	Temp	Baro-meter	D.O. Chart	D.O. Meter	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
FT 1500					°C	mmHg	mg/L	mg/L					
Calibr.		Gary Shaw	8/11/21	0715	22.4	759.5	8.7	8.68	99.9		1.05	(P) F	(L) F
ICV			8/12/21	0717	22.4	759.6	8.7	8.67	99.9			(P) F	(L) F
CCV		Monica Burger	8/12/21	1211	22.1	759.6	8.7	8.74	100.1			(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.	Name	Date	Time	Lot #	Expir.	Standard	Meter Reading	Pass / Fail	Lab / Field
FT 1200							µmhos/cm	µmhos/cm		
Calibr.		Gary Shaw	8/12/21	0719	100989	8/22	2800	2800	(P) F	(L) F
ICV					0725	1106A32	100	100	(P) F	(L) F
CCV		Monica Burger	8/12/21	1208	1106A32	5/23	100	99.3	(P) F	(L) F
CCV									(P) F	(L) F

Conductivity Acceptance criteria ± 5%

pH	DEP SOP	Name	Date	Time	Lot #	Expir.	pH Buffer	Temp	Meter reading	Pass / Fail	Lab / Field
FT 1100							SU	°C	SU		
Calibr.		Gary Shaw	8/12/21	0727	2103K23	3/23	7.01	23.8	7.01	(P) F	(L) F
Calibr.				0730	4105A28	4/23	4.00	23.6	4.00	(P) F	(L) F
Calibr.				0732	4102F52	08/22	10.02	23.7	10.02	(P) F	(L) F
ICV				0739	4105A28	4/23	4.00	23.7	4.06	(P) F	(L) F
CCV		Monica Burger	8/12/21	1208	4102F52	8/22	10.02	22.9	10.63	(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	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field

COMMENTS:

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