

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: Hob/Anyt RQ: 2021-03-15-62 Project: 3M4CM

- 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 01/27/21

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro meter mmHg	DO Chart mg/L	Meter DO mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Drew L122.4	03/22/21	0746	20.3	757	8.9	8.9	99.7	—	1.05	Ⓟ/F	Ⓟ/F
ICV	//	//	0742	20.3	757	8.9	8.9	99.7	—	1.05	Ⓟ/F	Ⓟ/F
CCV	//	//	1645	22.7	757	8.6	8.57	100.2	—	1.05	Ⓟ/F	Ⓟ/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 CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Drew L122.4	03/22/21	0744	1102199	01/23	1000	1000	Ⓟ/F	Ⓟ/F
ICV	//	//	0746	2007676	07/22	100	100.1	Ⓟ/F	Ⓟ/F
CCV	//	//	1648	2009162	08/22	50K	50032	Ⓟ/F	Ⓟ/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

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.	Drew L122.4	03/22/21	0748	2011001	12/22	7.0	22.3	7.01	-12.3	Ⓟ/F	Ⓟ/F
Calibr.	I	I	0750	2011891	10/22	4.0	22.3	4.01	165.5	Ⓟ/F	Ⓟ/F
Calibr.	I	I	0752	201473	05/22	10.0	22.3	10.01	-188.1	Ⓟ/F	Ⓟ/F
ICV	I	I	0754	201473	05/22	10.0	22.3	10.04	-188.4	Ⓟ/F	Ⓟ/F
CCV	//	//	1650	2011891	10/22	4.0	22.4	4.00	166.7	Ⓟ/F	Ⓟ/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 -175.8 slope from 4 to 7 177.8 (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: 01/27/21

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	Drew L122.4	03/22/21	0752	0.00	0.00	Ⓟ/F	Ⓟ/F

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

COMMENTS: