

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: P20 MOVE

RQ: 2021-06-07-49

Project: 254205

- 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 5/18/21

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.	BARRINGTON	6/16/21	0700	23.4	757.2	8.5	8.49	99.6	-	1.06	P/F	L/F
ICV	↓	↓	0702	23.4	757.2	8.5	8.48	99.6	-	-	P/F	L/F
CCV	Thomas Baker	6/16/21	1544	26.6	757.2	8.0	8.01	100.1	-	-	P/F	L/F
CCV												

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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	BARRINGTON	6/16/21	0704	1009989	8/22	2500	2500	P/F	L/F
ICV	↓	↓	0706	2103896	3/23	100	102.8	P/F	L/F
CCV	Thomas Baker	6/16/21	1548	2012A70	11/22	500	487.6	P/F	L/F
CCV									

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.	BARRINGTON	6/16/21	0708	2101299	1/23	7.00	24.3	7.01	-	P/F	L/F
Calibr.	↓	↓	0710	4102163	2/23	4.01	24.3	4.00	-	P/F	L/F
Calibr.	↓	↓	0712	1102821	7/22	10.02	24.0	10.01	-	P/F	L/F
ICV	↓	↓	0714	4102163	2/23	4.01	24.2	4.02	-	P/F	L/F
CCV	Thomas Baker	6/16/21	1550	1102821	7/22	10.02	23.4	9.99	-	P/F	L/F
CCV											

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 and list date of last quarterly depth verification:
 If NO, what will be used? (circle one) **Secchi Disk Line** / Sonar Unique ID: DEEP BLUE; Date of last verification: 2/11/21

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						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: