

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: mg607 Blue

RQ: 2021-11-15-44

Project: Continuous - Imperial

- 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 08/16/21

DO FDEP 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.	Thomas Baker	11/17/21	0702	23.8	766	8.6	8.49	100.8		0.9483	(P) F	(L) F
ICV	Thomas Baker	11/17/21	0704	24.06	766	8.5	8.47	100.7			(P) F	(L) F
CCV	William Walker	11/22/21	1344	24.7	759.2	8.3	8.37	100.8			(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. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	11/17/21	0705	1106354	6/23	10000	10000	(P) F	(L) F
ICV	"	"	0708	1157655	5/23	50000	50000	(P) F	(L) F
CCV	William Walker	11/22/21	1345	2110062	9/23	100	95	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading mV	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	11/17/21	0718	2107000	7/23	7.00	24.3	7.01	(P) F	(L) F
Calibr.	"	"	0721	2110040	9/23	4.01	24.4	4.00	(P) F	(L) F
Calibr.	"	"	0725	4110480	3/23	10.03	23.0	10.02	(P) F	(L) F
ICV	Thomas Baker	11/17/21	0728	2110040	9/23	4.01	22.66	3.91	(P) F	(L) F
CCV	William Walker	11/22/21	1351	2109476	3/23	10.04	22.1	9.96	(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: _____; 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						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: