

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: The ONE

RQ- 2022-02-19-68

Project: HAB-Response

- 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 10/10/22

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.	Thomas Baker	01/17/23	0814	23.7	763.3	8.5	8.54	100.4		1.0285	P/F	L/F
ICV	Thomas Baker	01/17/23	0816	23.5	763.2	8.5	8.54	100.5			P/F	L/F
CCV	Thomas Baker	01/17/23	1341	22.2	761.6	8.7	8.65	99.8			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 FL 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	01/17/23	0814	2208A58	07/24	2500	2500	P/F	L/F
ICV	Thomas Baker	01/17/23	0811	2207695	07/24	100	100.7	P/F	L/F
CCV	Thomas Baker	01/17/23	1343	2208A58	7/24	2500	2498	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1000	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	01/17/23	0824	2205654	05/24	7.00	22.7	7.01	35.5	P/F	L/F
Calibr.			0825	2207815	6/24	4.00	23.0	4.03	143.5	P/F	L/F
Calibr.			0826	4208577	02/24	10.00	22.1	10.03	-208.8	P/F	L/F
ICV	Thomas Baker	01/17/23	0828	2207815	06/24	4.00	22.9	4.02		P/F	L/F
CCV	Thomas Baker	01/17/23	1346	4208577	02/24	10.02	23.1	10.02		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 73.3, slope from 4 to 7 174.0 (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: Slippery 1185 Date of last verification: 05/29/22

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: