

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: 2023-03-01-42

Project: UAB 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 04/19/23

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	05/22/23	0723	21.2	758.8	8.9	8.86	99.8		1.0307	P/F	L/F
ICV	Thomas Baker	05/22/23	0724	21.2	758.8	8.9	8.85	99.9			P/F	L/F
CCV	Thomas Baker	05/22/23	0724	21.2	758.8	8.9	8.85	99.9			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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	05/12/23	0728	4207m90	7/24	2500	2500	P/F	L/F
ICV	Thomas Baker	05/22/23	0730	2207695	7/24	100	102.7	P/F	L/F
CCV	Thomas Baker	05/22/23	1244	4207m90	7/24	2500	2505	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1300	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	05/12/23	0732	2208634	8/24	7.02	20.9	7.02	-45.1	P/F	L/F
Calibr.			0733	2301622	01/25	4.00	21.0	4.00	133.9	P/F	L/F
Calibr.			0734	2302170	8/24	10.05	21.0	10.05	-206.7	P/F	L/F
ICV	Thomas Baker	05/22/23	0735	2301622	01/25	4.00	21.0	3.96		P/F	L/F
CCV	Thomas Baker	05/22/23	1245	2302170	8/24	10.05	21.9	9.99		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 10 161.6, slope from 4 to 7 179.0 (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 Disk; Date of last verification: 02/01/23

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: