

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: Bruc

RQ: 2022-01-31-16

Project: FMP Gainesville

- 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 2/3/22

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.	Kim Appleby	3/7/22	824	20.5	765.5	9.1	9.07	100.7	-	1.0303	P/F	L/F
ICV	↓	↓	826	20.5	765.6	9.1	9.07	100.6	-	1.0303	P/F	L/F
CCV	↓	↓	1612	21.6	761.8	8.8	8.87	100.7	-	1.0303	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.	Kim Appleby	3/7/22	828	210917B	4/2022	1000	1000	P/F	L/F
ICV	↓	↓	831	210426A	5/2022	100	102.2	P/F	L/F
CCV	↓	↓	1616	211122B	12/2022	1413	1411	P/F	L/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.	Kim Appleby	3/7/22	843	2112B19	12/2023	7.01	21.5	7.01	-13.3	P/F	L/F
Calibr.			845	2201D88	1/2024	4.00	21.6	4.00	166.5	P/F	L/F
Calibr.			847	2202A 63	7/2023	10.03	21.6	10.03	-173.8	P/F	L/F
ICV	↓	↓	851	2112B19	12/2023	7.01	21.6	6.98	-8.1	P/F	L/F
CCV	↓	↓	1616	2201D88	1/2024	4.00	21.7	4.07	164.16	P/F	L/F
CCV	↓	↓	1619	2202A63	7/2023	10.03	21.8	10.00	-183.6	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 10 170.5, slope from 4 to 7 179.8 (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: 2/3/22

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	Kim Appleby	3/7/22	859	0.00	0.00	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: