

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: 15A Storch

RQ: 2021-11-01-24

Project: SMP Palm Coast

SMP 9445

- 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 11/10/21

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.	J. Pansh	12/6/21	741	22.1	765	8.8	8.8	100.6	-	1.04	(P) F	(L) F
ICV	J. Pansh	12/6/21	742	22.3	765	8.8	8.75	100.6	-	1.04	(P) F	(L) F
CCV	J. Pansh	12/6/21	1409	22.3	762	8.7	8.8	101.4	-	1.04	(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.	J. Pansh	12/6/21	744	210917B	9/22	1000	1000	(P) F	(L) F
ICV	J. Pansh	12/6/21	745	210426A	5/22	100	102.2	(P) F	(L) F
CCV	J. Pansh	12/6/21	1410	21122A	12/22	1500	1509	(P) F	(L) F
CCV						15000	11493	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.	J. Pansh	12/6/21	744	210917B	9/23	7.	22.87	7.01	-35.5	(P) F	(L) F
Calibr.	J. Pansh	12/6/21	751	2107640	7/23	4.	22.8	4.00	136.5	(P) F	(L) F
Calibr.	J. Pansh	12/6/21	754	2012608	6/22	10.	22.7	10.08	-209.5	(P) F	(L) F
ICV	J. Pansh	12/6/21	756	2107640	7/23	4.	22.74	4.05	135	(P) F	(L) F
CCV	J. Pansh	12/6/21	1412	2012608	6/22	10.	23.1	10.09	-213	(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 10 174.5, slope from 4 to 7 172 (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: 11/10/21

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	J. Pansh	12/6/21	858	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: