

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: Old Man Jenkins RQ: 2021-09-06-62 Project: Cape Coral HA's

- 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 DEP SOP FT 1500	Name	Date	Time C-E-T	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	09/07/21	0655	25.3	759.9	8.2	8.24	100.0		N/A	P/F	D/F
ICV	Thomas Baker	09/07	0658	25.2	760	8.2	8.25	100.2			P/F	L/F
CCV	William Miller	09/07	1556	23.38	759.6	8.5	8.70	102.2			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 C-E-T	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	09/07	0659	1009989	8/22	2500	2500	P/F	D/F
ICV	Thomas Baker	09/07	0700	4108672	7/23	100	102	P/F	L/F
CCV	William Miller	09/07	1558	1009989	8/22	2500	2507	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time C-E-T	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	09/07	0701	2104575	4/23	7.00	25.9	7.00	-41.40	P/F	D/F
Calibr.			0702	2107646	7/23	4.01	26.0	4.01	116.6	P/F	D/F
Calibr.			0704	4102F52	8/22	10.00	25.9	10.00	-192.00	P/F	D/F
ICV	Thomas Baker	09/07	0705	2107646	7/23	4.01	25.8	4.01	3.98	P/F	L/F
CCV	William Miller	09/07	1559	4102F52	8/22	10.02	23.11	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 10 150.6, slope from 4 to 7 158 (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: 3312A; Date of last verification: 08/16/21

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time C-E-T	Calibrated Value (to 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: