

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- 1023-09-18-50 Project: Venue / SHF

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 7/17/23

DO	DEP SOP	Name	Date	Time	Temp	Baro-meter	D.O. Chart	D.O. Meter	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
FT 1500		Monica Jaeger	9/21/23	15:00	19.9	760.7	9.11	9.10	100.1	—	100.11	(P) F	(L) F
Calibr.					11					—	—	(P) F	(L) F
ICV					11	458	20.0	9.09	100.2	—	—	(P) F	(L) F
CCV		<u>Samatha Gelpi</u>	<u>9/21/23</u>	<u>12:48</u>	<u>25.4</u>	<u>760.2</u>	<u>8.18</u>	<u>8.12</u>	<u>99.4</u>	—	—	(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.	Name	Date	Time	Lot #	Expir.	Standard	Meter Reading	Pass / Fail	Lab / Field
FT 1200		Monica Jaeger	9/21/23	7:01	230217A	2/24	5000	5000	(P) F	(L) F
Calibr.									(P) F	(L) F
ICV									(P) F	(L) F
CCV		<u>Samatha Gelpi</u>	<u>9/21/23</u>	<u>12:49</u>	<u>230217A</u>	<u>2/24</u>	<u>5000</u>	<u>5000</u>	(P) F	(L) F
CCV									(P) F	(L) F

Conductivity Acceptance criteria $\pm 5\%$

pH	DEP SOP	Name	Date	Time	Lot #	Expir.	pH Buffer	Temp	Meter reading	MV	Pass / Fail	Lab / Field
FT 1100		Monica Jaeger	9/21/23	7:10	230001B	12/24	7.02	19.5	7.02	—	(P) F	(L) F
Calibr.										—	(P) F	(L) F
Calibr.										—	(P) F	(L) F
Calibr.										—	(P) F	(L) F
ICV										—	(P) F	(L) F
CCV		<u>Samatha Gelpi</u>	<u>9/21/23</u>	<u>12:52</u>	<u>230607C</u>	<u>12/24</u>	<u>10.05</u>	<u>20.2</u>	<u>10.11</u>	—	(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, slope from 4 to 7, (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: 8/14/23

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time	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: