

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: 154177 RO: 2023-05-22-57 Project: Salt 2023

Notify "X" this box if there are qualified data on this page

- 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 4/17/2023

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.	JERRY FENNER	5/1/23	7:34	23.2	754.9	8.7	8.66	99.4	-	0.99	P/F	P/F
ICV	"	"	"	7:37	754.9	8.5	8.51	98.5	-	-	P/F	P/F
CCV	"	"	"	7:51	754.5	8.4	8.40	99.6	-	-	P/F	P/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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	JERRY FENNER	5/1/23	7:37	22108A	10/23	1000	1000	P/F	P/F
ICV	"	"	"	7:49	211210B	100	100.4	P/F	P/F
CCV	"	"	"	7:57	211210B	100	100.2	P/F	P/F
CCV	"	"	"	7:58	22108D	1023	50000	P/F	P/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.	JERRY FENNER	5/1/23	7:39	220309C	09/24	7.02	21.2	7.02	-229	P/F	P/F
Calibr.	"	"	"	7:39	220309D	09/24	4.00	4.00	146.1	P/F	P/F
Calibr.	"	"	"	7:39	220609A	12/23	10.04	10.04	-186.5	P/F	P/F
ICV	"	"	"	7:51	220609A	12/23	10.04	10.01	-188.9	P/F	P/F
CCV	"	"	"	7:58	220309D	09/24	4.00	3.99	150.2	P/F	P/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 10 140.6, slope from 4 to 7 174.0 (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: 4/17/2023

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	JERRY FENNER	5/1/23	7:53	0.00	0.00	P/F	P/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: