

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 3500, FD 1000-FD 4000)

Meter ID: 14G101019 NO: 2020-07-24-35 Project: EMP

Buildy "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.

(3) For Calibrations, record calibrated meter readings													
Date of Last Temperature Verification _____													
Temperature (Quarterly) FT 1400													
DO	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	
DEP SOP FT 1500													
Calibr.	Paul Blair	9-8-20	9:40	22.9	756.1	8.55	9.56	99.8	/	109	P/F	L/F	
ICV	"	"	9:42	22.9	756.1	8.55	9.56	99.9	/	"	P/F	L/F	
CCV	"	"	13:30	20.3	755.6	8.88	9.96	116.1			P/F	L/F	
CCV													
Sound Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75. DO Gain & Charge N/A													

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.
DO Acceptance criteria from Table ± 0.3 mg/L.
Optical: DO gain range 0.85 to 1.15 (Pro D55 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
FT 1200									
Calibr.	Paul Blair	9-8-20	9:43	2004070	4-21	1000	1000	P/F	L/F
ICV	"	"	9:44	2901947	7-21	100	100.0	P/F	L/F
CCV	"	"	13:35	2901947	7-21	100	99.1	P/F	L/F
CCV									

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
DEP SOP FT 3100											
Calibr.	Paul Blair	9-8-20	8:47	2004070	10-21	7.01	22.3	7.01	-25.1	P/F	L/F
Calibr.	"	"	9:48	2002218	9-21	4.01	22.3	4.00	-140.3	P/F	L/F
Calibr.	"	"	9:49	1904050	10-20	10.03	22.5	10.03	-197.9	P/F	L/F
Calibr.	"	"	8:50	"	"	10.03	22.6	10.02	-198.0	P/F	L/F
ICV	"	"	13:35	2002218	9-21	4.61	22.7	4.1	-134.6	P/F	L/F
CCV	"	"								P/F	L/F
CCV											

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 10 163.7, slope from 4 to 7 172.4 (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: 9/1
If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 41 Date of last verification: 9/1

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						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: