

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.

- 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

DO	Name	Date	Time	CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	D.O. Meter mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
FT 1500	Calibr.	Gray Snare	10/20/20	0815	22.8	756.1	8.6	8.56	99.5			(P) F	(L) F
ICV	ICV	"	"	0817	82.9	756.2	8.6	8.56	99.5			(P) F	(L) F
CCV	CCV	Kelly M. L.	10/20/20	1753	24.8	755.2	8.6	8.56	10.3			(P) F	(L) F
CCV	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.	Name	Date	Time	CT-ET	Lot #	Expir.	Standard μmhos/cm	Meter Reading μmhos/cm	Pass / Fail	Lab / Field
FT 1200	Calibr.	Gray Snare	10/20/20	0820	1003A23	2/12	8500	2500	(P) F	(L) F
ICV	ICV	"	"	0823	1006766	5/12	100	103.4	(P) F	(L) F
CCV	CCV	Kelly M. L.	10/20/20	1658	2912745	11/21	1000	10191	(P) F	(L) F
CCV	CCV	"	"	"	"	"	"	"	(P) F	(L) F

Conductivity Acceptance criteria ± 5%

PH	Name	Date	Time	CT-ET	Lot #	Expir.	PH Buffer SU	Temp °C	Meter reading SU	Pass / Fail	Lab / Field
FT 1100	Calibr.	Gray Snare	10/20/20	0825	202114	05/12	7.01	13.8	7.01	(P) F	(L) F
Calibr.	Calibr.	"	"	0827	200052	2/12	4.00	23.7	4.00	(P) F	(L) F
Calibr.	Calibr.	"	"	0829	197602	01/12	10.01	23.8	10.01	(P) F	(L) F
ICV	ICV	"	"	0831	200052	2/12	4.00	24.0	3.00	(P) F	(L) F
CCV	CCV	Kelly M. L.	10/20/20	1700	297602	01/22	10.00	22.8	9.94	(P) F	(L) F
CCV	CCV	"	"	"	"	"	"	"	"	(P) F	(L) F

PH Acceptance criteria ± 0.2 SU; mv pH 7 Range 0 ± 50; mv pH 4 Range +180 ± 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)

YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification:

NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: ; Date of last verification:

Depth Sensor	Name	Date	Time	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Daily Calibration & ICV							

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

COMMENTS: