

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

Boldly "X" this box if there is qualified data on this page.

Meter ID:

WTF

RQ:

Project:

WTF

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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

12/29/17

DO FDEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben P. Anderson	2/1/18	750	23.24	8.46	8.46	100	90		P/F	L/F
ICV	Ben P. Anderson	2/1/18	757	23.83	8.45	8.51	100.3	89		P/F	L/F
CCV	Ben P. Anderson	2/1/18	1648	23.16	8.54	8.70	101.5	91		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; 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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben P. Anderson	2/1/18	755	270999	9/19	1000	1000	P/F	L/F
ICV	Ben P. Anderson	2/1/18	757	2707D83	2/19	100	104	P/F	L/F
CCV	Ben P. Anderson	2/1/18	1649	2705E06	5/19	500	496	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ben P. Anderson	2/1/18	800	171628	3/19	7.0	7.00	-15	P/F	L/F
Calibr.	Ben P. Anderson	2/1/18	802	174998	7/19	4.0	4.00	154	P/F	L/F
Calibr.	Ben P. Anderson	2/1/18	804	170266	3/19	10.0	10.01	-196	P/F	L/F
ICV	Ben P. Anderson	2/1/18	806	174998	7/19	4.0	3.85	164	P/F	L/F
CCV	Ben P. Anderson	2/1/18	1652	171628	3/19	7.0	7.06	-20	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)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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						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: