

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

Meter ID:

Keys

RQ:

2019-09-02-09

Project:

Boldly "X" the box if there are quality control 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

6/18/19

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.	Miranda Carroll	9/3/19	0735	24.56	760	8.3	8.37	100.0	50.2		P/F	L/F
ICV	"	"	0741	24.35	760	8.4	8.36	100.0			P/F	L/F
CCV	"	"	1300	24.48	760	8.3	11.81	141.0			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. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Miranda Carroll	9/3/19	0744	2904947	03/21	1,000	1,003	P/F	L/F
ICV	"	"	0751	2904082	04/21	100	103	P/F	L/F
CCV	"	"	1304	2904947	03/21	1,000	994	P/F	L/F
CCV								P/F	L/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.	Miranda Carroll	9/3/19	0758	191304	03/21	7.6.99	26.40	6.99	21.8	P/F	L/F
Calibr.	"	"	0802	191303	03/21	4.01	26.66	3.99		P/F	L/F
Calibr.	"	"	0805	191735	04/21	10.9.99	26.52	10.01		P/F	L/F
ICV	"	"	0807	191303	03/21	4.00	26.26	3.95		P/F	L/F
CCV	"	"	1308	191735	04/21	10.00	25.42	9.87		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) Sacchi Disk Line / Sonar Unique ID: Reeper Blue; Date of last verification: 6/18/19

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: