

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 name.

Meter ID:

QUANTA#1

RQ:

2018-02-26-24

Project:

Interlachen

- 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

01-10-18

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

01-10-18

DO DEP 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.	P.O'Connor	03-19-18	0745	23.3	8.53	8.53	100.0	—	—	P/F	L/F
ICV	↓	↓	0750	23.3	8.53	8.47	99.8	—	—	P/F	L/F
CCV	P.O'Connor	03-19-18	1345	22.9	8.59	8.20	95.8			P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	P.O'Connor	03-19-18	0810	171129A	12-2018	1000	1000	P/F	L/F
ICV	↓	↓	0813	170315A	03-2018	100	99	P/F	L/F
CCV	P.O'Connor	03-19-18	1347	171129A	12-2018	100	1002	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	P.O'Connor	03-19-18	0820	2711C81	11-2019	7.0	7.00	—	P/F	L/F
Calibr.	↓	↓	0825	2711517	10-2019	4.0	4.00	—	P/F	L/F
Calibr.	↓	↓	0835	2708A21	01-2019	10.0	9.90	—	P/F	L/F
ICV	P.O'Connor	03-19-18	1550	2711517	10-2019	4.0	4.02	—	P/F	L/F
CCV	↓	↓	1552	2711C81	11-2019	7.0	7.01	—	P/F	L/F
CCV	↓	↓	1555	2708A21	01-2019	10.0	9.91	—	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 N/A , slope from 4 to 7 N/A (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:

QC/Scanned BD 3/23/18 DP 3/22/18