

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1600-FD 4000)

Meter ID: 155077

NO: 2020-12-14-28

NO: 2020-10-26-46

Project: SMP/Reclamation

Circle "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 10/13/20

DO DEP SOP FT 1500	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
Calibr.	H. Schmidt	12/15/20	0723	20.0	764	9.1	9.16	100.3			P/F	L/F
ICV	↓	↓	0724	20.0	764	9.1	9.16	100.4			P/F	L/F
CCV	↓	↓	1449	19.5	761	9.2	9.38	101.7			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.	H. Schmidt	12/15/20	0725	20124B	2/21	1000	1000	P/F	L/F
ICV	↓	↓	0726	20103A	10/21	100	104.9	P/F	L/F
CCV	↓	↓	1451	20103A	10/21	100	101.5	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.	H. Schmidt	12/15/20	0729	2904B22	3/21	7.02	19.9	7.02	-22.6	P/F	L/F
Calibr.	↓	↓	0730	203620	6/22	4.00	20.3	4.00	153.8	P/F	L/F
Calibr.	↓	↓	0732	201473	5/22	10.06	20.3	10.06	-203.8	P/F	L/F
ICV	↓	↓	0734	203620	6/22	4	19.4	4.08	150.2	P/F	L/F
CCV	↓	↓	1450	2904B22	3/21	7	17.7	6.93	-178	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: 10/13/20

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last 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	H. Schmidt	12/15/20		0.00	0.00	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: