

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

Africa

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

Meter ID: LLJ

RQ: 2019-01-28

Project: JMP

- 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 11/20/18

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.	Ben Paswater	1/30/19	710	21.6		8.81	9.86	100.6	65.5		(P) F	(L) F
ICV			715	21.9		8.76	9.84	98.7	65.3		(P) F	(L) F
CCV			727	22.2		8.71	8.73	100.0	65.5		(P) F	(L) F
CCV							8.80					P / 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Paswater	4/30/19	720	2810C37	10/20	1,000	1,000	(P) F	(L) F
ICV			722	2809A63	9/20	100	96	(P) F	(L) F
CCV			1230	2807657	7/20	500	498	(P) F	(L) F
CCV									P / 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.	Ben Paswater	1/30/19	724	183273	5/20	7.	22.57	7.00	-25	(P) F	(L) F
Calibr.			726	183278	7/20	4.	22.70	4.00	151	(P) F	(L) F
Calibr.			728	178540	10/19	10.	22.68	10.01	-204	(P) F	(L) F
ICV			730	183218	7/20	4.0	22.67	3.95	154	(P) F	(L) F
CCV			1232	183273	5/20	7.0	22.74	6.96	-25	(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) Secchi Disk / Line / Sonar Unique ID: 1; Date of last verification: 11/20/18

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: