

RQ-2021-10-11-26

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

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

Meter ID:

Hoder

RQ:

2021-10-04-45

Project:

LMP

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

07/22/21

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.	D. Liddick	10/18/21	0800	22.5	756.1	8.6	8.61	99.5	—	1.08	PF	DF
ICV			0806	22.5	756.1	8.6	8.61	99.7	—	1.08	PF	DF
CCV			1620	26.3	754.4	8.0	8.03	99.6	—	1.08	PF	DF
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. ET 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	D. Liddick	10/18/21	0808	1108F51	08/23	1200	1200	PF	DF
ICV			0810	1102792	01/23	100	99.1	PF	DF
CCV			1624	1107644	06/23	100,000	101710	PF	DF
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time GT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	D. Liddick	10/18/21	0812	210039	10/23	7.0	23.5	7.01	-23.5	PF	DF
Calibr.			0814	2107E46	07/23	4.0	23.5	4.00	154.5	PF	DF
Calibr.			0816	2012564	06/22	10.0	23.9	10.00	-193.8	PF	DF
ICV			0818	2012564	06/22	10.0	23.8	10.00	-193.8	PF	DF
CCV			1628	2107E46	07/23	4.0	23.4	4.01	154.7	PF	DF
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 -170.3 , slope from 4 to 7 178 (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: 07/22/21

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	D. Liddick	10/18/21	0820	0.00	0.00	PF	DF

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: