

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)**Meter ID:** THE ONE**RQ-** 2022-06-27-19**Projects:** bloom response

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: 09/06/2022

Dissolved Oxygen DEP SOP FT 1500	Name	Date	Time ETZ	Temp °C	Baro- Meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
IC	Gary Snorek	09/06/2022	7:33	23.8	762.1	8.47	8.4	100.3		1.03	PASS	Lab
ICV	Gary Snorek	09/06/2022	7:37	23.7	762.0	8.49	8.49	100.3			PASS	Lab
CCV	Gary Snorek	09/06/2022	11:16	27.9	762.5	7.87	7.82	99.6			PASS	Lab

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.

Specific Conductivity DEP SOP FT 1200	Name	Date	Time ETZ	Lot #	Exp. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
IC	Gary Snorek	09/06/2022	7:44	4207M90	07/24	2500	2500	PASS	Lab
ICV	Gary Snorek	09/06/2022	7:42	2112E28	12/23	100	100.7	PASS	Lab
CCV	Gary Snorek	09/06/2022	11:20	220309	03/23	50000	49350	PASS	Lab

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time ETZ	Lot #	Exp. Date	pH Buffer SU	Temp °C	Meter Reading SU	mV	Pass / Fail	Lab / Field
IC	Gary Snorek	09/06/2022	7:45	2205E54	05/24	7.0	22.7	7.0	-34.5	PASS	Lab
IC	Gary Snorek	09/06/2022	7:48	22D6A61	5/24	4.0	21.8	4.00	146.6	PASS	Lab
IC	Gary Snorek	09/06/2022	7:50	2204H72	08/23	10.0	22.4	10.03	-202.7	PASS	Lab
ICV	Gary Snorek	09/06/2022	7:52	22D6A61	05/24	4.00	21.7	3.90		PASS	Lab
CCV	Gary Snorek	09/06/2022	11:21	2204H72	08/23	10.0	21.0	9.99		PASS	Lab

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 10 168.2, slope from 4 to 7 181.1 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth?

NO

If **YES**, complete daily Calibration & ICV below and list date of last quarterly depth verification:If **NO**, what will be used? Secchi Unique ID: SLIPPERY DISK Date of last verification: 08/29/2022

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time ETZ	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field

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