

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

Meter ID: SNEK

RQ: 2019-05-06-27

Project: LABELLE

Holdily "X" in
Box if the
quality of the
data is poor 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 03/19/19

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.	M. DUGAN	05/07/19	0715	25.9	756	8.07	8.07	100		1.02138	P/F	L/F
ICV	"	"	0717	25.8	756	8.09	8.11	99.5			P/F	L/F
CCV	N. Reistad	05/07/19	0715	24.8	756.2	8.24	7.59	91.5			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.	M. DUGAN	05/07/19	0710	2904947	03/21	1000	1000	P/F	L/F
ICV	"	"	0712	2812A65	12/20	100	102.8	P/F	L/F
CCV	N. Reistad	05/07/19	1416	2904D82	04/21	100	97	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.	M. DUGAN	05/07/19	0719	187681	11/20	7.	26.0	6.974	-21.9	P/F	L/F
Calibr.	"	"	0722	190072	01/21	4.	26.1	4.011	158.6	P/F	L/F
Calibr.	"	"	0725	187680	12/20	10.	25.9	10.001	796.7	P/F	L/F
ICV	"	"	0727	187680	12/20	10.	25.9	9.97		P/F	L/F
CCV	N. Reistad	05/07/19	1419	190072	01/21	4.010	25.0	4.15		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: 3312B; Date of last verification: 12/26/18

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: