

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

Meter ID: H000R

RQ: 2018-03-A-12

Project: JMP

Boldly "X"
box if the
qualified op
thk nns

- 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 24/04/2018

DO	Name	Date	Time	Temp	DO	Meter	DO	DO	Probe	Probe	Pass	Lab
FDEP SOP									Charge	Gain		
FT 1500												
Calibr.	<u>Alex Miranda</u>	<u>4/5/18</u>	<u>7:40</u>	<u>21.6</u>	<u>8.8</u>	<u>8.81</u>	<u>100</u>			<u>1.05</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>✓</u>	<u>4/5/18</u>	<u>7:42</u>	<u>21.7</u>	<u>8.79</u>	<u>8.84</u>	<u>100</u>				<u>P/F</u>	<u>L/F</u>
CCV		<u>4/5/18</u>	<u>15:36</u>	<u>26.7</u>	<u>8.0</u>	<u>8.07</u>	<u>100</u>			<u>1.05</u>	<u>P/F</u>	<u>L/F</u>
CCV												

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec.	Name	Date	Time	Temp	Temp	Standard	Meter	Pass	Lab
cond.						atmosphere	reading		
FT 1200							unboiled		
Calibr.	<u>Alex Miranda</u>	<u>4/5/18</u>	<u>7:44</u>	<u>27.1</u>	<u>45.3</u>	<u>10/19</u>	<u>1000</u>	<u>1000</u>	<u>P/F</u> <u>L/F</u>
ICV	<u>✓</u>	<u>4/5/18</u>	<u>7:48</u>	<u>27.1</u>	<u>0781</u>	<u>9/19</u>	<u>100</u>	<u>101</u>	<u>P/F</u> <u>L/F</u>
CCV		<u>4/5/18</u>	<u>15:40</u>	<u>27.1</u>	<u>45.3</u>	<u>10/19</u>	<u>1000</u>	<u>999</u>	<u>P/F</u> <u>L/F</u>
CCV									

Conductivity Acceptance criteria $\pm 5\%$

PH	Name	Date	Time	Temp	Temp	Buffer	Meter	mV	Pass	Lab
FDEP SOP						SU	reading			
FT 1200										
Calibr.	<u>Alex Miranda</u>	<u>4/5/18</u>	<u>7:50</u>	<u>17.4</u>	<u>54.4</u>	<u>06/19</u>	<u>7.0</u>	<u>7.13</u>	<u>-8.2</u>	<u>P/F</u> <u>L/F</u>
Calibr.	<u>✓</u>	<u>4/5/18</u>	<u>7:52</u>	<u>17.4</u>	<u>998</u>	<u>7/19</u>	<u>4.0</u>	<u>4.06</u>	<u>171.9</u>	<u>P/F</u> <u>L/F</u>
Calibr.		<u>4/5/18</u>	<u>7:54</u>	<u>17.0</u>	<u>266</u>	<u>3/19</u>	<u>10.0</u>	<u>10.04</u>	<u>-17.1</u>	<u>P/F</u> <u>L/F</u>
ICV	<u>✓</u>	<u>4/5/18</u>	<u>7:58</u>	<u>17.0</u>	<u>266</u>	<u>3/19</u>	<u>10.0</u>	<u>10.05</u>	<u>-180.6</u>	<u>P/F</u> <u>L/F</u>
CCV	<u>Alex Miranda</u>	<u>4/5/18</u>	<u>15:49</u>	<u>17.1</u>	<u>998</u>	<u>7/19</u>	<u>4.0</u>	<u>4.02</u>	<u>169.8</u>	<u>P/F</u> <u>L/F</u>
CCV										

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

If mV are recorded: slope from 7 to 10 170.9;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

(both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 24/04/2018

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass /	Lab /
(Daily Calibration & ICV)			CT:ET	Value (0.00 or Offset), meters	meters	Fail	Field
Pressure mode in air	<u>Alex Miranda</u>	<u>4/5/18</u>	<u>8:02</u>	<u>0.00</u>	<u>0.00</u>	<u>P/F</u>	<u>L/F</u>

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

COMMENTS: