

## **Pre-Measurement Calibration Water Quality Instrument Record**



California Department of Water Resources

**Instrument ID:** 

Date & Time (PST) of Deployment (RTM) / First Measurement (Discrete): \_\_\_

Discrete: ☐ Real Time: ☐ Per	rformed by (Las	st Name):		Date of Calibration:	
Site/Run to be used on:		Time of Calibration (PST):			
Attachment(s)? □					
Verifcation Instruments		Calibration Standards		Lot #	Expiration Date
NIST Thermometer S/N		Turbidit	y Std.		<u> </u>
Therm. Cal. Due Date		Conducta	nce Std.		
Turbidimeter S/N					
Turbidmeter Cal. Due Date		7 pH	Std.		
Barometer S/N		4 pH	Std.		
Barometer Cal. Due Date		10 pH	Std.		
Calibration (to be completed Followed standard operating pro			,	* Use pH Standard vs. Tem  **DO %Sat = Loc  **Use Dissolved Oxygen Lookup  Additional Info.	al barometric pressure / 7.0
Specific Conductance (µS/cm) Dry	0				< 2 μS/cm
Temperature (°C) in Water	NIST Thermometer				≤ ± 0.20 °C
Chlorophyll (RFU) in DIW	0.00				< 0.10 RFU
Chlorophyll (µg/L) in DIW	0.00				< 0.10 μg/L
Blue Green Algae (RFU) in DIW	0.00				< 0.10 RFU
Blue Green Algae (µg/L) in DIW	0.00				< 0.10 μg/L
Turbidity (NTU) in DIW - Low	0.0				≤ ± 0.5 NTU
Turbidity (NTU) in Std - High					≤ ± 5%
Specific Conductance (µS/cm) in Std				Cell Constant:	≤ ± 3%
7 pH (units)	*			m'	V ≤ ± 0.2 units
4 pH (units)	*			m'	V ≤ ± 0.2 units
10 pH (units)	*			m'	V ≤ ± 0.2 units
Dissolved Oxygen (%sat)	**			Baro. Pres. (mmHg):	_ ≤ ± 5%
Dissolved Oxygen (mg/L)	***			Temp. (°C) in bucket:	≤ ± 0.3 mg/L
Dissolved Oxygen (Gain)			ODO Gain	0.87-1.25 range ideal	n/a
Delta slope (pH 7 mV - pH 10 mV):	[Ideal r	ange 160-180 mV	, replace module	e if slope ≤ 155 mV]	vated during calibration: □
<ol> <li>Calibrate depth to 0 feet: ☐</li> <li>Verify sufficient battery voltage fo</li> <li>Verify wiper is parked correctly &amp;</li> <li>Verify or set date &amp; time (Time.go</li> <li>Day of Deployment:</li> <li>Verify DO %sat ≤ ± 5% (recommend</li> </ol>	or use:  working:  ov):	mments:		Wiper deti	
<ol> <li>Verify parameters &amp; reporting: ☐</li> <li>Sonde started and ready for mea</li> </ol>	surement:				