



Controller Quality Control Checklist

Controller S/N: _____ QC Date: _____
Customer: _____ Technician: _____
PLC Program: _____ Cmore Program: _____

Unit Options

- Electric solenoid valves / air pumps for chemical adds (2.2 GPM rotameters)
- No chemical levels, only chemical flow alarms
- Spent system Yes No
- Process level control Yes No
- Ferric addition included Yes No
- 1056 Rosemount, Barben ORP # _____, Sensorx Tord. Cond
- 120VAC // 220VAC
- PLC password _____

Connect the appropriate electrical voltage to the controller. Make sure the PLC and Cmore are loaded with the correct programs.

Electrical

- With the E-stop pushed in and the Power switch OFF, plug the unit in and verify no power to the system.
- Switch the Power to ON, verify no power to the system.
- Switch the Power to OFF and pull out the E-stop. Verify no power.
- Switch the Power to ON and verify power to all the internal components.
- Verify PLC toggle switch is in RUN position (no toggle if DL105 unit).
- Verify PLC comms with Cmore via Port 1.

Setup the Rosemount controller parameters as follows:

Language – English

Sensor 1 – ORP

Sensor 2 – Conductivity (other)

Temperature - C

Cell constant – 3.0

Display:

Sensors 1 & 2 values, Alarms 1-3 setpoints and Sensor 2 Temp

Alarm Setup:

Alarm 1: +495 mV Low 0 mV Deadband
Alarm 2: +150 mS Low 1 mS Deadband
Alarm 3: +600 mV High 0 mV Deadband
Alarm 4: Fault

S1 – ORP

S2 – Cond

AL1 AL2
AL3 Temp2