



Preventative Maintenance Service Event: Osmo1

Serial Number: _____

Service Event ID: _____

Customer Account: _____

Location: _____

Service Technician: _____

Service Date: _____

Tools Check

Confirm Temperature / RH Meter is within calibration period

Confirm Multimeter is within calibration period

Environmental Condition Review

Confirm surrounding environmental temperature is within 18°C to 35°C

Confirm surrounding environmental relative humidity is within 5 %RH to 80%RH

Confirm electrical service source is within 100VAC to 240VAC

Confirm there is adequate clearance on all sides of instrument for air circulation

Initial Assessment

Inspect instrument for signs of damage, drops, liquids, spills, etc.

Inspect power cord to ensure no damage

Confirm Software / Firmware Versions

Software: _____

Firmware: _____

Sample Probe Resistance / Block Probe Resistance: _____

As Found Data: Complete 3 runs of 290 mOsm/kg H₂O standard and record results

Lot Number: _____

Run #1 Result: _____

Expiration Date: _____

Run #2 Result: _____

Run #3 Result: _____

AVERAGE:	Mean: _____
	SD: _____

Check Events Database for repeated errors and/or problems and address any outstanding issues

Confirm plunger wire installed with latest box of consumables

Comments:

Service Instrument

- Run sample probe test. If necessary, replace sample probe
- Check Solenoid plunger for sample build-up and damage. Clean as instructed.
- Remove excess dust that may cause issues
- Inspect instrument for loose or missing hardware
- Inspect Block Probe thermal grease. Re-grease if necessary
- Clean inside of Cooling Well
- Verify all electrical connections are properly mated, including USB connections
- Verify solenoid plunger moves freely
- Verify alignment between the Sampler and Cooling Assembly
- Perform A/D to verify Cooling Assembly' efficiency
- Verify LCD Display works as intended
- Verify Barcode Scanner is working properly
- Verify that RFID Reader is working properly
- Verify Sampler Cradle moves freely
- Verify Printer is working properly
- Clean outside surfaces of instrument

Comments:

Verify / Calibrate Instrument

Confirm only AI standards being used

Verify instrument using 290 and 850 mOsm/kg H₂O, standards. Recalibrate if specifications are not met.

Verification Data: Run 3 samples of **290 mOsm/kg H₂O** standard and record results

Lot Number: _____

Mean: _____

Expiration Date: _____

SD: _____

Verification Data: Run 5 samples of **850 mOsm/kg H₂O** standard and record results

Lot Number: _____

Mean: _____

Expiration Date: _____

SD: _____

Offer to run customer sample

If customer has Protinol and Renol, offer to run those standards

Final Comments:

Technician Signature: _____ **Date:** _____