



## Model O2L Troubleshooting Guide

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>	<b>Refer To</b>
Incorrect O <sub>2</sub> value is displayed	Unit out of calibration.	Perform two point calibration.	Section 4.3
Unit will not calibrate.	O <sub>2</sub> concentration of low cal gas too far from displayed O <sub>2</sub> value.	Perform high cal with 100% O <sub>2</sub> and retry low cal.	Section 4.3
Calibration drifts from original setting.	Sensor not at operating temperature when 2 point cal was performed.	Verify gas temperature is at 45°C and recal.	Section 4.3
Unstable O <sub>2</sub> value is displayed	High flow or dust in the sample system.	Check flow. Check that proper filter is installed.	Section 2.4.2
Repeated Low O <sub>2</sub> Alarm	Alarm set point is higher than current measurement	Check O <sub>2</sub> source	Section 2.4.2
Repeated High O <sub>2</sub> Alarm	Alarm set point is lower than current measurement	Check O <sub>2</sub> source	Section 2.4.2
Repeated low flow alarm.	Blocked or pinched sample inlet line.	Change or repair inlet sample line.	Section 2.4.2
	Sample line filter is clogged.	Change filter.	Section 4.2
Pump does not operate.	Flow rate is set to 0 and/or pump is off.	Set desired flow rate and/or turn pump on.	Section 4.2
O <sub>2</sub> measurement drift	Internal sample line leak possibly due to high over pressure.	Check for leaks by sampling 99.99 % O <sub>2</sub> then occlude sample line. If leaking, reading will drift toward room air reading of 20.9%. Call service.	Section 2.4.2 & 8
Water in Sample line	Filter failute	Replace sample line	
O <sub>2</sub> measurement drift	Internal scavenge outlet line leak	Display flow and occlude scavenge outlet port. Flow should drop to near zero. If not call service.	Section 2.4.2, 2.4.3 & 8
Displayed O <sub>2</sub> value is zero or does not appear after 1 minute warm-up.	Laser diode output is not locked to oxygen line due to overheating or laser aging.	Power down and Restart Analyzer (after cooling if necessary). If restart is possible, then perform 2-point cal to reset laser control parameters. If these measures fail, contact Oxigraf service.	Section 4.3