

Signet

3-2850 Conductivity Transmitter Troubleshooting Guide

LED and Output Condition	Possible Causes	Suggested Solutions
<p>Current Out: LED off, current output is 22 mA (S²L) out: "Check Sensor"</p>	<ul style="list-style-type: none"> • SW3 and SW4 set to all OPEN (factory setting). • No electrode installed. • SW3 (and SW4) not set correctly. • System not ready. 	<ul style="list-style-type: none"> • Normal for new system. • Install electrode. • Set SW3 and SW4 correctly. • Retry (recycle power).
<p>During EasyCal, the LED blinks rapidly for 4 seconds.</p>	<ul style="list-style-type: none"> • Measured value of the test solution is outside the $\pm 10\%$ tolerance. • The electronics or the electrode is defective. 	<ul style="list-style-type: none"> • Use fresh test solutions and restart the calibration. • Replace the electronics or the electrode.
<p>After completing calibration procedure, the output values are inaccurate.</p>	<ul style="list-style-type: none"> • Insufficient time allowed for electrode stabilization during calibration procedure. • Test solutions are contaminated. • EasyCal performed with temp comp OFF, then temp comp turned ON for measurement. (or vice versa) 	<ul style="list-style-type: none"> • Recalibrate and wait at least 2 minutes after placing electrode in solution before pressing SW1. • Use fresh test solutions and restart the calibration.
<p>The output of the 2850 indicates a value that is off by a factor of 10 (ie: 10x, 100x the correct value)</p>	<ul style="list-style-type: none"> • The cell constant selection on the 2850 (SW3 or SW4) does not match the actual input. 	<ul style="list-style-type: none"> • Match the 2850 switch settings to agree with the sensor being used.