


7. OL-100 Specifications

<p><b>Dimensions:</b></p> <ul style="list-style-type: none"> <li>• Fits standard 2.25" mounting hole</li> <li>• 2.45" X 2.45" X 1.6"</li> <li>• 2" viewing area</li> <li>• Weight: 8oz</li> </ul> <p><b>Display</b></p> <ul style="list-style-type: none"> <li>• Custom design color bar display</li> <li>• Multi-color sunlight visible</li> <li>• InGaAlPGaN LED technology</li> <li>• 100,000 hours operating life</li> <li>• Analog and digital readout of temperatures</li> </ul> <p><b>Maximum Ranges</b></p> <ul style="list-style-type: none"> <li>• Temperature: 0°F – 300°F.</li> <li>• Pressure: 0 PSI – 100 PSI.</li> <li>• Voltmeter: 6.0v to 32v (optional)</li> </ul> <p><b>Accuracy</b></p> <ul style="list-style-type: none"> <li>• Temperature: better than 1% over scale as per TSO (SAE AS8005 Class IIa instrument)</li> <li>• Pressure: better than 2% over scale as per TSO (SAE AS408)</li> <li>• Voltmeter: 1/10 Volt over full operating range</li> </ul> <p><b>Safety</b></p> <ul style="list-style-type: none"> <li>• Color coded display of values</li> <li>• Visual high and low alarms for each function</li> <li>• Dual processor monitoring with one second error shutoff</li> <li>• Internal over temperature shutoff</li> <li>• Floating point mathematical computations for high accuracy</li> <li>• Minimum 256 times measurement validation before display</li> <li>• 1 second scan rate</li> </ul> <p><b>Operating Temperature</b></p> <ul style="list-style-type: none"> <li>• -15C to +55C</li> <li>• 5F to 131F</li> </ul> <p><b>Power Consumption</b></p> <ul style="list-style-type: none"> <li>• 450mA Max (daytime operation)</li> <li>• 60mA Min (nighttime operation)</li> </ul>	<p><b>Display Units</b></p> <ul style="list-style-type: none"> <li>• Temperature: °F</li> <li>• Pressure: PSI</li> <li>• Volts – voltmeter (optional)</li> </ul> <p><b>Display Pages/Functions</b></p> <ul style="list-style-type: none"> <li>• Pressure</li> <li>• Temperature</li> <li>• Voltmeter (Optional)</li> <li>• Two brightness selection pages (internal intensity selection)</li> </ul> <p><b>Intensity Control</b></p> <ul style="list-style-type: none"> <li>• Programmable user option</li> <li>• External using rheostat type dimmer</li> <li>• Internal selection programmable from the front panel</li> <li>• 256 level of brightness</li> </ul> <p><b>Linearity</b></p> <ul style="list-style-type: none"> <li>• Mathematical compensation over the full operating range</li> </ul> <p><b>Operating Voltage</b></p> <ul style="list-style-type: none"> <li>• 6V-32V DC</li> </ul> <p><b>Transducers Supported</b></p> <ul style="list-style-type: none"> <li>• Pressure: Solid state transducers with an analog output of 0.5V to 4.5V over a pressure range of 0 PSI to 100 PSI</li> <li>• Temperature: Resistive temperature sensors with a range of 0 °F = 25.5K Ohms to 300 °F = 57 Ohms.</li> </ul>
	<div style="text-align: center;">  <p><b>Aerospace Logic Inc</b></p> <p>All specification subject to change © 2002-2003 Aerospace Logic Inc.</p> </div>

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