


7. EGT-100 Specifications

<p>Dimensions:</p> <ul style="list-style-type: none"> • Fits standard 2.25" mounting hole • 2.45" X 2.45" X 1.6" • 2" viewing area • Weight: 10oz (4 cyl.) / 13oz (6 cyl.) <p>Display</p> <ul style="list-style-type: none"> • Custom design color bar display • Multi-color sunlight visible • InGaAlPGaN LED technology • 100,000 hours operating life • Analog and digital readout of temperatures <p>Maximum Ranges</p> <ul style="list-style-type: none"> • 0°F – 1900°F. Displays 200°F – 1900°F as actual temperature and 0°F – 199°F as "COLD" • Voltmeter: 6.0v to 32v (optional) <p>Accuracy</p> <ul style="list-style-type: none"> • 1% of range per TSO (SAE AS8005 Class IIa instrument classification) • Voltmeter: 1/10 Volt over full operating range <p>Safety</p> <ul style="list-style-type: none"> • Color coded temperature values • Visual high temperature alarms for each cylinder • Dual processor monitoring with one second error shutoff • Internal over temperature shutoff • Floating point mathematical compensation for thermocouple sensor linearity • Minimum 256 times measurement validation before display <p>Operating Temperature</p> <ul style="list-style-type: none"> • -15°C to +55°C • 5°F to 131°F <p>Power Consumption</p> <ul style="list-style-type: none"> • 370mA Max (daytime operation) • 50mA Min (nighttime operation) <p>Display Units</p> <ul style="list-style-type: none"> • °F – temperature • Volts – voltmeter (optional) 	<p>Display Pages/Functions</p> <ul style="list-style-type: none"> • AUTO – automatically select and display hottest cylinder. One second scan rate for 4/6 cylinders • STEP – sequentially step through each cylinder with five second intervals • 1 – 4/6 – manually select and display any cylinder information • High limit alarms (visual) • Integrated voltmeter (optional) • Two brightness selection pages (internal intensity selection) <p>Intensity Control</p> <ul style="list-style-type: none"> • Programmable user option • External using rheostat type dimmer • Internal selection programmable from the front panel • 256 level of brightness <p>Linearity</p> <ul style="list-style-type: none"> • Mathematical compensation over the full operating range <p>Operating Voltage</p> <ul style="list-style-type: none"> • 6V-32V DC <p>Thermocouples Supported</p> <p>ONLY TSO'd thermocouples that possess the following characteristics:</p> <p>Recommended type Westach series 713 EGT probes.</p> <ul style="list-style-type: none"> • Type K with outputs as listed: • 200°F – 2.87mV • 400°F – 7.36mV • 800°F – 16.58mV • 1000°F – 21.31mV • 1200°F – 26.03mV • 1400°F – 30.70mV • 1500°F – 32.90mV • 1600°F – 35.24mV • 1800°F – 39.67mV
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