


7. CHT-100 Specifications

<p>Dimensions:</p> <ul style="list-style-type: none"> • Fits standard 2.25" mounting hole • 2.45" X 2.45" X 1.60" • 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 – 700°F. Displays 100°F – 700°F as actual temperature and 0°F – 99°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"> • -15C to +55C • 5F to 131F <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 CHT probes (either bayonet or ring type):</p> <ul style="list-style-type: none"> • Type J with outputs as listed: • 100°F – 0.72mV • 200°F – 3.69mV • 300°F – 6.72mV • 400°F – 9.81mV • 500°F – 12.90mV • 600°F – 15.96mV • 700°F – 19.04mV
 <p>All specification subject to change © 2002-2003 Aerospace Logic Inc.</p>	

Aerospace Logic Inc.

3150 Ridgeway Drive, Unit #43, Mississauga, Ontario, L5L 5R5, CANADA
 Tel. (905) 569-3887 | Fax. (416) 352-5854 | Email. sales@aerospacelogic.com
www.aerospacelogic.com