


SECTION 7
FL-100-R (711m) 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: 8oz <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 fuel levels <p>Ranges (per tank)</p> <ul style="list-style-type: none"> • Minimum 10 US Gallons • Maximum 99 US Gallons <p>Accuracy</p> <ul style="list-style-type: none"> • Better than 1% • Exceeds requirements of AS405 <p>Safety</p> <ul style="list-style-type: none"> • Color coded fuel level quantities • Low fuel level alarms • Dual processor monitoring with one second error shutoff • Internal over temperature shutoff • Floating point mathematical compensation for tank and sensor linearity • 256 times measurement validation before display • .25 second scan rate <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"> • 450mA Max (daytime operation) • 60mA Min (nighttime operation) 	<p>Programmable Display</p> <ul style="list-style-type: none"> • Two brightness selection pages (internal intensity selection) <p>Intensity Control</p> <ul style="list-style-type: none"> • Programmable user option • External using standard rheostat type dimmer • Internal selection programmable from the front panel • 256 level of brightness <p>Linearity</p> <ul style="list-style-type: none"> • Programmable for each tank • One gallon increments • Sensor linearity compensation • Tank design linearity compensation • Performed only once <p>Operating Voltage</p> <ul style="list-style-type: none"> • 6V-32V DC <p>Sensors Supported</p> <ul style="list-style-type: none"> • <i>Sensors of all types which provide a DC voltage output in the range of:</i> • $V_{max} = 711 \text{ mV}$ • $V_{min} = 8.0 \text{ mV}$ • Provided the voltage output delta is greater than 2.8mV per gallon for the entire fuel range.
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