


7. FP-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: 5oz (excluding wire bundle) <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"> • Ammeter: +/- 100 Amps. • Pressure: 0 PSI – 50 PSI. • Voltmeter: 6.0v to 32v <p>Accuracy</p> <ul style="list-style-type: none"> • Ammeter: 100 mA • Pressure: 1 PSI (Better than 2% of scale as per TSO – SAE AS408) • Voltmeter: 1/10 Volt over full operating range <p>Safety</p> <ul style="list-style-type: none"> • Color coded display of values • Visual high and low alarms for each function • Dual processor monitoring with one second error shutoff • Internal over temperature shutoff • Floating point mathematical computations for high accuracy • Minimum 256 times measurement validation before display • 1 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"> • 410mA Max (daytime operation) • 60mA Min (nighttime operation) 	<p>Display Units</p> <ul style="list-style-type: none"> • Ammeter: Amps • Pressure: PSI • Voltmeter: Volts <p>Display Pages/Functions</p> <ul style="list-style-type: none"> • Pressure • Ammeter • Voltmeter • 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>Operating Voltage</p> <ul style="list-style-type: none"> • 6V-32V DC <p>Transducers Supported</p> <ul style="list-style-type: none"> • Pressure: Solid state transducers with an analog output of 0.5V to 4.5V over a pressure range of 0 PSI to 100 PSI • Ammeter: Current shunts of 15A, 30A, 60A and 100A rating with a full scale output of 50mV
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