


SECTION 5

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 – Instrument including wiring: 8 oz • Weight – Pressure sensor: 2.1 oz <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 and manifold pressures <p>Ranges</p> <ul style="list-style-type: none"> • Fuel pressure: <ul style="list-style-type: none"> ○ 0 to 60 PSI • Manifold pressure: <ul style="list-style-type: none"> ○ 0.2 to 50.0 in. Hg <p>Accuracy</p> <ul style="list-style-type: none"> • Programmable resolution of 1 or 0.1 units • Fuel pressure: <ul style="list-style-type: none"> ○ 0.1 PSI • Manifold pressure: <ul style="list-style-type: none"> ○ 0.1 in.Hg <p>Safety</p> <ul style="list-style-type: none"> • Color coded operation ranges compliant for primary instrument installation • External alarm driver output • External processor watchdog <p>Operating Temperature (Per DO-160(D))</p> <ul style="list-style-type: none"> • -15C to +55C (5F to 131F) <p>Certifications Pending</p> <ul style="list-style-type: none"> • DO-160(D) • DO-178(B) • TSO C47 (Fuel pressure) • TSO C45a (Manifold pressure) • STC for ~700 aircraft 	<p>Programmable Options</p> <ul style="list-style-type: none"> • Fuel pressure: <ul style="list-style-type: none"> ○ Low redline ○ Low operating ○ High operating ○ High redline • Manifold pressure: <ul style="list-style-type: none"> ○ Low operating ○ High operating ○ High redline <p>Operating Voltage</p> <ul style="list-style-type: none"> • 6V-40V DC continuous • 40V-60V for < 5 seconds <p>Power Consumption (14V)</p> <ul style="list-style-type: none"> • 105mA Max (daytime operation) • 8mA Min (nighttime operation) <p>Power Consumption (28V)</p> <ul style="list-style-type: none"> • 53mA Max (daytime operation) • 4mA Min (nighttime operation) <p>Signal Acquisition</p> <ul style="list-style-type: none"> • Fuel pressure: <ul style="list-style-type: none"> ○ Solid state sensor, remote mount. • Manifold pressure: <ul style="list-style-type: none"> ○ Laser trimmed thick film absolute pressure sensor, integrated into the instrument.
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