

VELTRON DPT

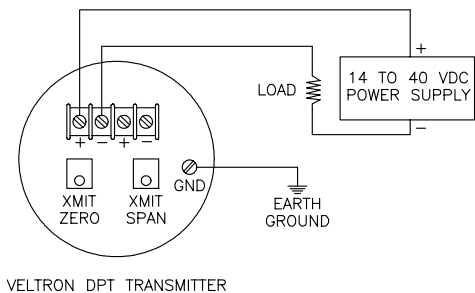
ULTRA-LOW DIFFERENTIAL PRESSURE AND FLOW TRANSMITTER

<p>OPTIONS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Bi-Polar (+/-) Operating Span <input type="checkbox"/> Square Root Function <input type="checkbox"/> LCD Display <input type="checkbox"/> Stainless Steel I.D. Tag <input type="checkbox"/> 3 Valve Manifold 	<p>Certification</p> <ul style="list-style-type: none"> <input type="checkbox"/> Standard <input type="checkbox"/> NIST Traceable
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<p>PERFORMANCE SPECIFICATIONS</p> <p>Accuracy. ±0.5% of Natural Full Span, including non-linearity, hysteresis, deadband, and non-repeatability.</p> <p>Stability. ±0.5% of Natural Full Span for six months.</p> <p>Temperature Effect. Zero. 0.015% of Natural Full Span/°F. Span. 0.015% of Natural Full Span/°F.</p>	<p>Mounting Position Effect. Zero shift only, no span shift. 0.1" Full Span < 0.5% of Full Span 0.25" Full Span < 0.25% of Full Span 0.5"+ Full Span < 0.1% of Full Span Corrected through transmitter zeroing.</p> <p>Power Supply Effect. ±0.005% of Full Span/VDC.</p>
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<p>FUNCTIONAL SPECIFICATIONS</p> <p>Outputs. 4-20mADC.</p> <p>Power Supply. 14-40VDC (0 to 1200 ohms). Refer to load chart. Two-wire configuration.</p> <p>Damping. Time constant adjustable from .25 to 10 sec.</p> <p>Overpressure/Static Pressure Limit. 25 psig.</p> <p>Circuit Protection. Power input is reverse polarity short circuit proof.</p> <p>Span and Zero Adjustment. External, continuously adjustable 30 turn potentiometers.</p> <p>Zero Elevation/Suppression. Maximum zero elevation: 100% of Natural Full Span. Requires optional bi-polar transducer. Maximum zero suppression: 6mys0% of Natural Full Span.</p>	<p>Indication. Optional 3½ digit LCD.</p> <p>Humidity Limits. 0-95% RH (non-condensing).</p> <p>Temperature Limits. - 20°F to 180°F Storage. +32°F to 140°F Operating.</p> <p>Hazardous Locations. Factory Mutual Approved. • Explosion Proof. Class 1, Division 1, Groups B,C,D. • Dust Ignition Proof. Class II & III, Division 1, Groups E,F,G. • Suitable for indoor and outdoor NEMA Type 4X hazardous locations.</p> <p>Load Limitations. 50 ohms/volt. 0 ohms at 14VDC. 1300 ohms at 40VDC.</p>
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Field Wiring Detail



Load vs. Power Supply Voltage

