

SUBMITTAL SHEET

VELTRON II

ULTRA-LOW RANGE DIFFERENTIAL PRESSURE/ FLOW TRANSMITTER

OPTIONS																									
<input type="checkbox"/> Alarms OR <input type="checkbox"/> AUTO-purge Mgmt <input type="checkbox"/> Auxiliary Output <input type="checkbox"/> Terminal Cover/Conduit Connection	Special Function <input type="checkbox"/> % Deviation <input type="checkbox"/> Summed Flow <input type="checkbox"/> Averaged Flow <input type="checkbox"/> Differential Flow <input type="checkbox"/> Low Select <input type="checkbox"/> High Select	Power <input type="checkbox"/> 24VAC <input type="checkbox"/> 20-40VDC <input type="checkbox"/> 120VAC (via external transformer)	Certification <input type="checkbox"/> Standard <input type="checkbox"/> NIST Traceable Display <input type="checkbox"/> 2x20 LCD (std) <input type="checkbox"/> 5x20 LCD	Network <input type="checkbox"/> None (std) <input type="checkbox"/> Modbus TCP/IP over Ethernet <input type="checkbox"/> LonWorks																					
PERFORMANCE SPECIFICATIONS																									
Accuracy. $\pm 0.1\%$ of Natural Span, including non-linearity, hysteresis, deadband, and non-repeatability. Stability. $\pm 0.5\%$ of Natural Span for one year. Temperature Effect. Zero. None; corrected by AUTO-zero. Span. 0.015% of Full Span/°F. Mounting Position Effect. None; corrected by AUTO-zero.	Transducer Response Time. 0.5 seconds to reach 98% of a step change. Power Consumption. <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Standard</th> <th colspan="2">w/AUTO-purge</th> </tr> <tr> <th>In Rush</th> <th>Hold</th> <th>In Rush</th> <th>Hold</th> </tr> </thead> <tbody> <tr> <td>24VAC</td> <td>14.4VA</td> <td>14VA</td> <td>85VA</td> <td>73VA</td> </tr> <tr> <td>24VDC</td> <td>9.6W</td> <td>9.0W</td> <td>37W</td> <td>37W</td> </tr> <tr> <td>120VAC</td> <td>19.2VA</td> <td>18.67VA</td> <td>106VA</td> <td>92VA</td> </tr> </tbody> </table>		Standard		w/AUTO-purge		In Rush	Hold	In Rush	Hold	24VAC	14.4VA	14VA	85VA	73VA	24VDC	9.6W	9.0W	37W	37W	120VAC	19.2VA	18.67VA	106VA	92VA
	Standard		w/AUTO-purge																						
	In Rush	Hold	In Rush	Hold																					
24VAC	14.4VA	14VA	85VA	73VA																					
24VDC	9.6W	9.0W	37W	37W																					
120VAC	19.2VA	18.67VA	106VA	92VA																					
FUNCTIONAL SPECIFICATIONS																									
Digital Outputs. Dual Form 'C' dry contacts and dual Form 'A' dry contacts rated for 3 amps at 24VAC/VDC are used for optional Hi/Lo alarm or AUTO-purge activation and acknowledgment. Digital Inputs. Dry contact for AUTO-purge external start command. Analog Outputs. Dual transmitter outputs are individually configurable via jumper for 0-5VDC, 0-10VDC, or 4-20mADC. Two additional outputs are optionally available. Analog Inputs. A single input is field configurable via jumper for 0-5VDC, 0-10VDC, or 4-20mADC. For use with optional special function. AUTO-purge Management. AUTO-purge cycle is initiated via an external dry contact input, or via an internal timer with field selectable frequencies of 1 to 24 hours, in 1 hour increments. Three internal relays provide remote purge activation and acknowledgment. Power Supply. Standard 24VAC (20-28VAC) or 24VDC (20-40VDC), with automatic selection. Optional 120VAC (100-132VAC), via external transformer.	Low Pass Filtration. Response time to reach 98% of a step change is adjustable from 2.0 to 250.0 seconds. Automatic Zeroing. Accuracy. Within 0.1% of calibrated span. Frequency. Every 1 to 24 hours on 1 hour intervals. Overpressure and Static Pressure Limit. 25 psig. Circuit Protection. Power input is isolated, fused and reverse polarity protected. Span and Zero Adjustment. Digital, via internally located push-buttons. Displays. Standard 2 line x 20 character backlit graphical LCD provides one line of data display. Optional 5 line x 20 character backlit graphical LCD provides up to 5 lines of data display. LED's indicate CPU activated, AUTO-zero in progress, AUTO-zero over-ranged, AUTO-purge in progress, and auxiliary alarm "on" status. Humidity Limits. 0-95% RH, non-condensing. Temperature Limits. -20°F to 180°F Storage. +40°F to 140°F Operating.																								

