

VELTRON II

ULTRA-LOW RANGE DIFFERENTIAL PRESSURE/ FLOW TRANSMITTER

OPTIONS																												
<input type="checkbox"/> Alarms OR <input type="checkbox"/> AUTO-purge Management <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"/> 24VDC <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"/> BACnet® <input type="checkbox"/> LONWORKS® <input type="checkbox"/> Modbus® TCP/IP over Ethernet																								
PERFORMANCE SPECIFICATIONS																												
Accuracy ±0.1% of Natural Span, including non-linearity, hysteresis, deadband, and non-repeatability.	Transducer Response Time 0.5 seconds to reach 98% of a step change.																											
Stability ±0.5% of Natural Span for six months.	Power Consumption																											
Temperature Effect Zero: None, corrected by AUTO-zero. Span: 0.015% of Full Span/°F.	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Input Voltage</th> <th colspan="2">Standard</th> <th colspan="2">with 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>14.4VA</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>				Input Voltage	Standard		with AUTO-purge		In Rush	Hold	In Rush	Hold	24VAC	14.4VA	14.4VA	85VA	73VA	24VDC	9.6W	9.0W	37W	37W	120VAC	19.2VA	18.67VA	106VA	92VA
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Mounting Position Effect None, corrected by AUTO-zero.																												
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.	Automatic Zeroing Accuracy: Within 0.1% of calibrated span. Frequency: Every 1 to 24 hours on 1 hour intervals.																											
Digital Inputs Dry contacts for AUTO-purge external start and purge interrupt.	Overpressure and Static Pressure Limit 25 psig																											
Analog Outputs Dual transmitter outputs are individually configurable via jumper for 0-5VDC, 0-10VDC, or 4-20mADC. Two additional outputs are optionally available.	Circuit Protection Power input is isolated, fused and reverse polarity protected.																											
Analog Inputs A single input is field configurable via jumper for 0-5VDC, 0-10VDC, or 4-20mADC. For use with optional special function.	Span and Zero Adjustment Digital, via internally located push buttons.																											
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 minute increments. Three internal relays provide remote purge activation and acknowledgment.	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 provided up to 5 lines of data display.																											
Power Supply Standard 24VAC (20-28VAC) or 24VDC (20-40VDC), with automatic selection. Optional 120VAC (100-132VAC), via external transformer.	LED's indicate CPU activated, AUTO-zero in progress, AUTO-zero over-range, AUTO-purge in progress, and auxiliary alarm 'on' status.																											
Low Pass Filtration Response time to reach 98% of a step change is adjustable from 2.0 to 256.0 seconds.	Humidity Limits 0-95% RH, non-condensing.																											
	Temperature Limits Operating: +40°F to 140°F Storage: -20°F to 180°F																											

P.O. Box 6358, Santa Rosa, CA 95406 (707) 544-2706
 www.airmonitor.com amcsales@airmonitor.com

