SUBMITTAL SHEET

VELTRON II

ULTRA-LOW RANGE DIFFERENTIAL PRESSURE/ FLOW TRANSMITTER

OPTIONS						
Alarms OR AUTO-purge Mgmt Auxiliary Output Terminal Cover/Conduit Connection	Special Function % Deviation Summed Flow Averaged Flow Differential Flow Low Select High Select	Power 24VAC 20-40VDC 120VAC (via external transformer)	Certification Standard NIST Traceable Display 2x20 LCD (std) 5x20 LCD		Network None (std) Modbus TCP/IP over Ethernet LonWorks	
PERFORMANCE SPECIFICATIONS						
Accuracy. ±0.1% of Natural Span, including non-linearity, hysteresis, deadband, and non-repeatability. Stability. ±0.5% of Natural Span for one year.		Transducer Response Time. 0.5 seconds to reach 98% of a step change. Power Consumption.				
		Si	tandard	w/AUTO	-purge	
Temperature Effect. Zero. None; corrected by AUTO-zero. Span. 0.015% of Full Span/°F. Mounting Position Effect. None; corrected by AUTO-zero.		24VAC 14.4V 24VDC 9.6W 120VAC 19.2V	'A 14VA	In Rush 85VA 37W 106VA	Hold 73VA 37W 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.		 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. 				
	tart 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.		Overpressure and Static Pressure Limit. 25 psig. 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. Displays.				
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		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-				

acknowledgment.

Power Supply. Standard 24VAC (20-28VAC) or 24VDC (20-40VDC), with automatic selection. Optional 120VAC (100-132VAC), via external transformer.

internal relays provide remote purge activation and

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.

