SUBMITTAL SHEET

VELTRON DPT 2500—plus IN NEMA 4 ENCLOSURE MICROPROCESSOR BASED ULTRA-LOW DIFFERENTIAL PRESSURE AND FLOW TRANSMITTER

STANDARD CONSTRUCTION	enclosure) providing single li 1/8" FPT, brass signal conne	
OPTIONS	NEWA 4 Steel cholosure with	Continuous ninge and conduit port, and internal wining terminals.
☐ Uni-Polar (std) Transducer☐ Bi-Polar Transducer	Connection Fittings 1/4" brass compress 3/8" brass compres Brass barbed for 1/4 Brass barbed for 3/4	sion type
PERFORMANCE SPECIFICATIONS	5	
Accuracy. ±0.25% of Natural Span, including non-linearity, hysteresis, deadband, and non-repeatability.		Mounting Position Effect. None; corrected by AUTO-zero.
Stability. ±0.5% of Natural Span for six months.		Transducer Response Time . 0.5 seconds to reach 98% of a step change.
Temperature Effect. Zero. None; corrected by AUTO-zero Span. 0.015% of Full Span/°F.		Power Consumption. 8VA at 24VAC; 6VA at 24VDC.
FUNCTIONAL SPECIFICATIONS		
Outputs. Single output. Configurable via jumper for 0-5VDC, 0-10VDC, or 4-20mADC.		Circuit Protection. Power input is isolated, fused, and reverse polarity protected.
Power Supply. 24VAC (16-30VAC) or 24VDC (16-40VDC).		Humidity Limits. 0-95% RH (non-condensing).
Low Pass Filtration. Response time to reach 98% of a step change is adjustable from 0.5 to 250.0 seconds.		Temperature Limits. −20°F to 180°F Storage. +40°F to 140°F Operating.
Overpressure/Static Pressure Limit. 25 psig.		Automatic Zeroing. Accuracy: Within 0.1% of calibrated span. Frequency: Every 1 to 24 hours on 1 hour intervals.
Zero Elevation/Suppression. (Requires Bi-polar Transducer) Maximum zero elevation: 100% of Natural Full Span. Maximum zero suppression: 50% of Natural Full Span.		Span and Zero Adjustment. Digital, via internally located pushbuttons.
DIMENSIONAL SPECIFICATIONS		
		6.94
-	 4.29 	6.25 →
		4.00 MOUNTING HOLE Ø.31



