## **VELTRON DPT 2500** ULTRA-LOW DIFFERENTIAL PRESSURE AND FLOW TRANSMITTER

STANDARD CONSTRUCTION	Ultra-low span transmitter. Manual 3-way zeroing valve.	1/8" FPT, brass signal connection fittings. NEMA 1 aluminum enclosure.	
OPTIONS			
Square Root. Bi-Pola Off (std) On	ar Display. ☐ 3-1/2 digit LCD	Connection Fittings. 1/4" brass compre 3/8" brass compre Brass barbed for 1 Brass barbed for 3	ssion type INIST Traceable /4" OD tubing
PERFORMANCE SPECIFICATIONS			
Accuracy. ±0.5% of Natural Full Span, including non- linearity, hysteresis, deadband, and non-repeatability.		Temperature Effect. Zero. 0.015% of Natural Full Span/ºF. Span. 0.015% of Natural Full Span/ºF.	
Stability. ±0.5% of Natural Full Span for six months.		Mounting Position Effect. Zero shift only, no span shift.	
<b>Power Supply Effect.</b> ±0.005% of Full Span/VDC.		Corrected through transmitter zeroing.	
FUNCTIONAL SPECIFICATIONS			
Outputs. 4-20mADC.		<b>Circuit Protection.</b> Power input is reverse polarity short circuit proof.	
<b>Power Supply.</b> 14-40VDC (0 to 1200 ohms). Two-wire configuration.		Humidity Limits. 0-95% RH (non-condensing).	
Damping. Time constant adjustable via jumper selection.		Temperature Limits.	-20°F to 180°F Storage. +40°F to 140°F Operating.
Overpressure/Static Pressure Limit. 25 psig.		Load Limitations. 50 ohms/volt. 0 ohms at 14VDC. 1300 ohms at 40VDC.	
Zero Elevation/Suppression. Maximum zero elevation: 100% of Natural Full Span. Maximum zero suppression: 50% of Natural Full Span.			0 ohms at 14VDC.
DIMENSIONAL SPECIFICATIONS			
OUTPUT TERMINALS		6.45 5.45 2.50 PORT ZEROING VALVE VELTRON DPT 2500 Pressure & Flow Transmitter AIR MONITOR CORPORATION	Ø.188 (TYP) SCREW COVER OPTIONAL DISPLAY
		4.60	<b>_</b>
MEL AIR MONITOR			



CORPORATION