

VELTRON DPT 2500

ULTRA-LOW DIFFERENTIAL PRESSURE AND FLOW TRANSMITTER

STANDARD CONSTRUCTION

Ultra-low span transmitter.
1/8" FPT, brass signal connection fittings.
Manual 3-way zeroing valve.
NEMA 1 aluminum enclosure.

OPTIONS

Square Root.

- ☐ Off (std)
☐ On

☐ Bi-Polar

Display.

- ☐ 3½ digit LCD

Connection Fittings.

- ☐ 1/4" brass compression type
☐ 3/8" brass compression type
☐ Brass barbed for 1/4" OD tubing
☐ Brass barbed for 3/8" OD tubing

Certification.

- ☐ Standard
☐ NIST Traceable

PERFORMANCE SPECIFICATIONS

Accuracy.

±0.5% of Natural Full Span, including non-linearity, hysteresis, deadband, and non-repeatability.

Stability.

±0.5% of Natural Full Span for six months.

Power Supply Effect.

±0.005% of Full Span/VDC.

Temperature Effect.

Zero. 0.015% of Natural Full Span/°F.
Span. 0.015% of Natural Full Span/°F.

Mounting Position Effect.

Zero shift only, no span shift.
Corrected through transmitter zeroing.

FUNCTIONAL SPECIFICATIONS

Outputs. 4-20mA DC.

Power Supply. 14-40VDC. Two-wire configuration.

Damping. Time constant adjustable via jumper selection.

Overpressure/Static Pressure Limit. 25 psig.

Zero Elevation/Suppression.

Maximum zero elevation: 100% of Natural Full Span.
Maximum zero suppression: 50% of Natural Full Span.

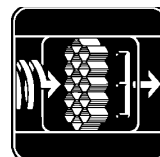
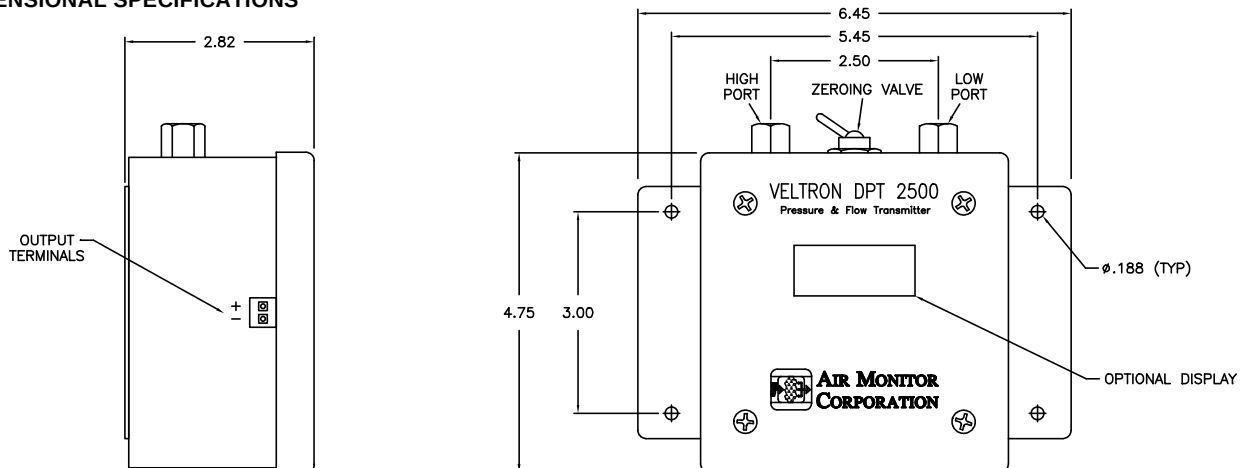
Circuit Protection. Power input is reverse polarity short circuit proof.

Humidity Limits. 0-95% RH (non-condensing).

Temperature Limits. -20°F to 180°F Storage.
+40°F to 140°F Operating.

Load Limitations. 50 ohms/volt.
0 ohms at 14VDC.
1300 ohms at 40VDC.

DIMENSIONAL SPECIFICATIONS



**AIR MONITOR
CORPORATION**