SUBMITTAL SHEET

VELTRON DPT 2500–*plus*, NEMA 1

MICROPROCESSOR BASED ULTRA-LOW DIFFERENTIAL PRESSURE AND FLOW TRANSMITTER

STANDARD CONSTRUCTION

Ultra-low span transmitter with automatic zeroing and a backlit graphical LCD providing single line of data display.
1/8" FPT, brass signal connection fittings.
NEMA 1 aluminum enclosure.

OPTIONS

- ❑ **Uni-Polar (std) Transducer**
- ❑ **Bi-Polar Transducer**

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

ID Tags
- ❑ None (std)
- ❑ Plastic
- ❑ Stainless

PERFORMANCE SPECIFICATIONS

Accuracy. ±0.25% of Natural Span, including non-linearity, hysteresis, deadband, and non-repeatability.

Stability. ±0.5% of Natural Span for six months.

Temperature Effect. Zero. None; corrected by AUTO-zero
Span. 0.015% of Full Span/ºF.

Mounting Position Effect. None; corrected by AUTO-zero.

Transducer Response Time. 0.5 seconds to reach 98% of a step change.

Power Consumption. 8VA at 24VAC; 6VA at 24VDC.

FUNCTIONAL SPECIFICATIONS

Outputs. Single output. Configurable via jumper for 0-5VDC, 0-10VDC, or 4-20mADC.

Power Supply. 24VAC (16-30VAC) or 24VDC (16-40VDC).

Low Pass Filtration. Response time to reach 98% of a step change is adjustable from 0.5 to 250.0 seconds.

Overpressure/Static Pressure Limit. 25 psig.

Zero Elevation/Suppression. (Requires Bi-polar Transducer)
Maximum zero elevation: 100% of Natural Full Span.
Maximum zero suppression: 50% of Natural Full Span.

Circuit Protection. Power input is isolated, fused, and reverse polarity protected.

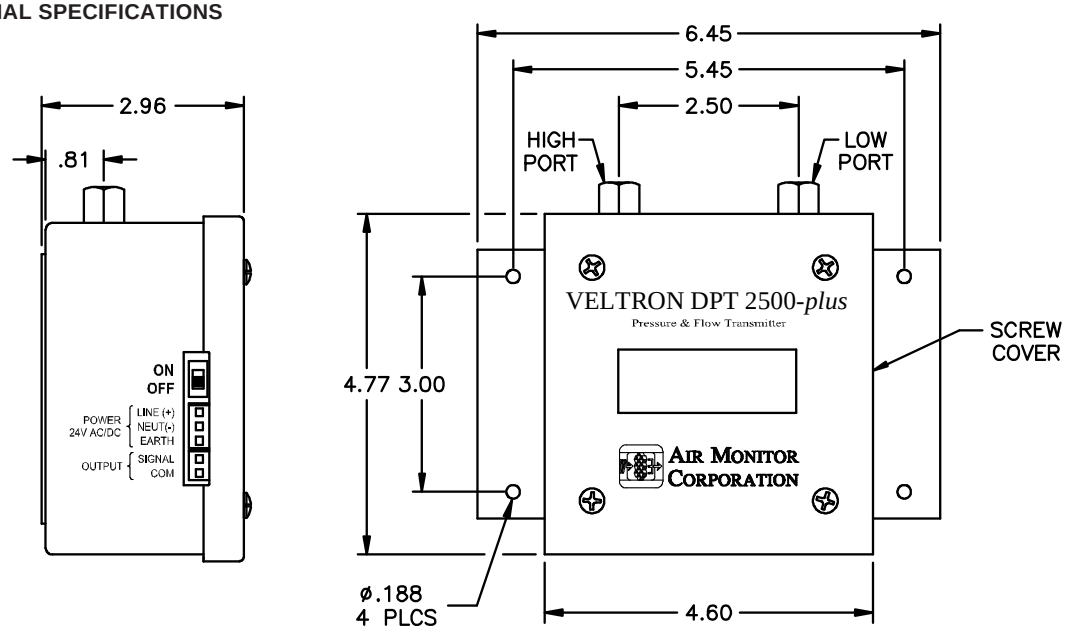
Humidity Limits. 0-95% RH (non-condensing).

Temperature Limits. –20ºF to 180ºF Storage.
+40ºF to 140ºF Operating.

Automatic Zeroing.
Accuracy: Within 0.1% of calibrated span.
Frequency: Every 1 to 24 hours on 1 hour intervals.

Span and Zero Adjustment. Digital, via internally located pushbuttons.

DIMENSIONAL SPECIFICATIONS



P.O. Box 6358 • Santa Rosa, CA 95406 • (707) 544-2706 • (707) 526-2825 Fax
www.airmonitor.com

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