

**Air Volume/Velocity
Indication Transducer**

Design/Application:

The LP-1000-TZV transducer couples a scaling multiplier, square root extractor, output filter, and differential pressure transmitter with the capability to display process indication, and also includes a 3-way zeroing valve.

Technical Specifications:

LCD Display: 0.5" x 3.5"

Process Input Connection: Pneumatic 1/4" barb fitting

Enclosure: Fire-retardant ABS plastic

Pressure Media: Non-Corrosive dry gases

Operable Line Pressure: 25 psi maximum static line pressure

Differential Overpressure: 5 psi proof and 25 psi burst pressure

Vibration: <0.05% F.S. temporary effect with 5g's, 0-60 Hz

Electrical Information:

Output 0 ~ 5 VDC / 0 ~ 10 VDC (3 wire) or 4 ~ 20 mA (2 wire)
Supply power 18 ~ 36 VDC
Connections Removable plug with screw terminals

Accuracy (full scale at 70° F):

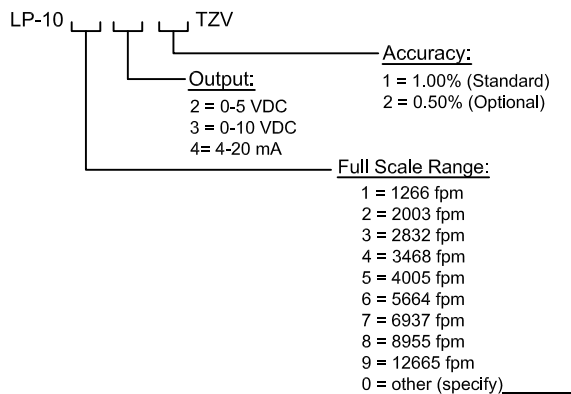
<u>Standard</u>	<u>Optional</u>
±1.00%	±0.50%

Environmental Attributes:

Storage	-40 ~ 180° F (-40 ~ 82° C)
Operating	32 ~ 160° F (0 ~ 70° C)
	(10-95% R.H. non-condensing)
Compensation Range	40 ~ 125° F (4 ~ 52° C)

Approximate Weight: 1.2 LB

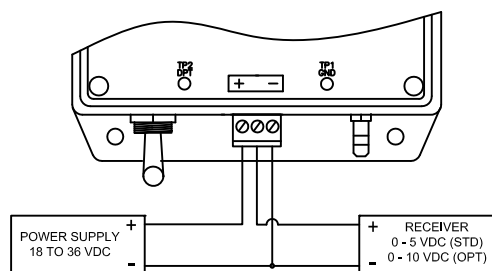
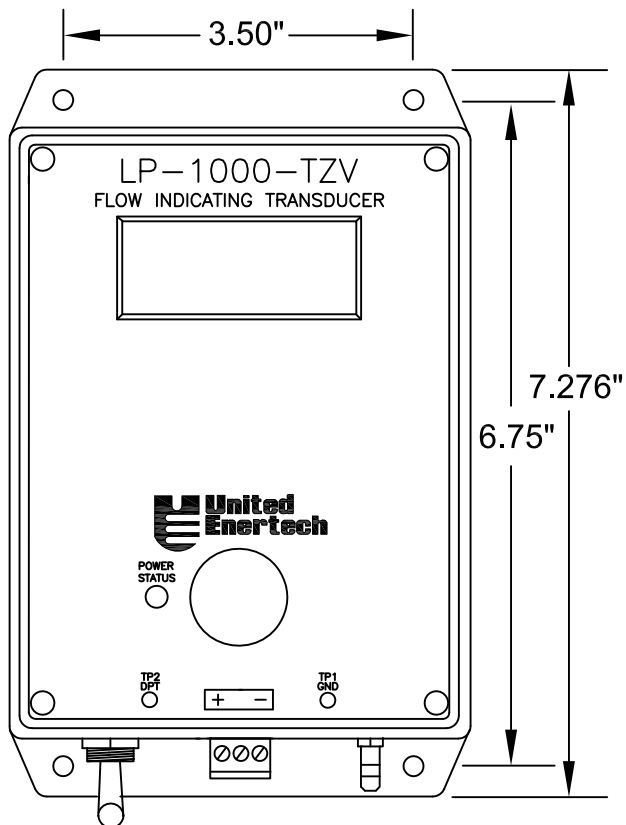
LP-1000-TZV Ordering Information:



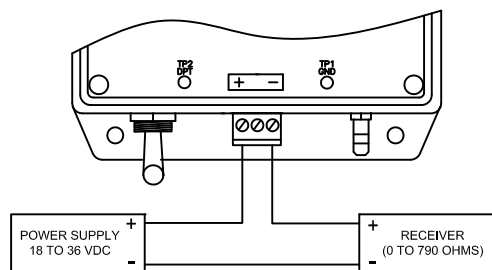
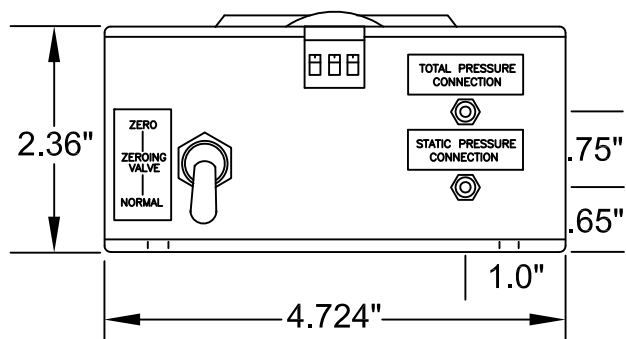
Due to continuing research, United Enertech reserves the right to change specifications without notice.

Job Name:	☐ Model LP-1000-TZV		
Location:	Loop Powered Air Volume/Velocity Indication Transducer		
Architect:	DRAWN BY: CLJ	DATE: 5-16-13	REV. DATE: 2-18-14
Engineer:	REV. NO. 2	APPROVED BY: MD	DWG. NO.: O-6
Contractor:			

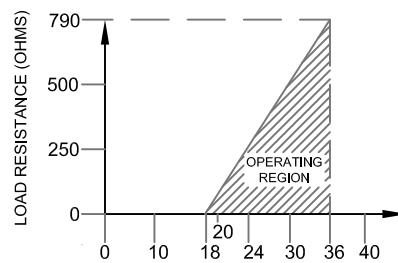
LP-1000-TZV Dimensional Data & Wiring Diagrams



Wiring Diagram (VDC output, 3 wire)



Wiring Diagram (Ma output ,2 wire)



$$V_{MIN} = 12 + [0.022 \times (R_{LOAD} + 300)]$$

Load Limitations