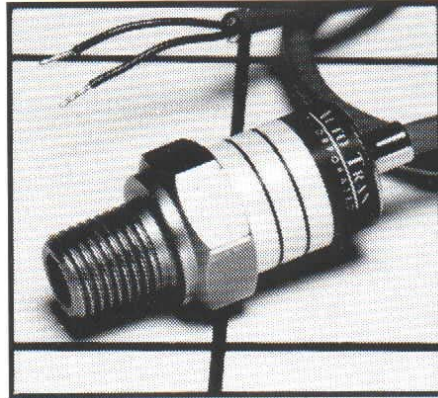


TVI-GP-250 PRESSURE TRANSMITTER

FEATURES

One Piece Stainless Steel Construction
Excellent Accuracy
Amplified Outputs,
1-5 VDC & 4-20 mA
Compact Design



APPLICATIONS

Chiller Systems
Refrigerant Systems
Boilers
Pumps & Compressors
Energy & Water Management
Level Monitoring

The TVI-GP 250 is ideally suited for use with harsh media, wet or dry, including steam and mildly corrosive fluids or gases. A gage pressure transducer, the TVI-GP 250 is available in pressure range of 0/100 PSI to 0/10,000 PSI (0/7 Bar to 0/700 Bar). A two or three-wire device, machined from a solid piece of stainless steel, the TVI-GP 250 is a highly durable unit can be easily integrated into most operating systems. The compact design (2.2" L x 7/8" Diameter) allows mounting of the device in even the smallest locations.

The TVI-GP 250 employs a micro-machined piezoresistive stain gage fused with high temperature glass to a stainless steel diaphragm. This design provides an exceptionally stable sensor idea for use in a wide variety of applications. The TVI-GP 250 is capable of handling an overpressure of up to 5 times its rated pressure gange. There are no welds, no O-rings, and no silicone oil to leak and cause system problems. The TVI-GP 250 is also NEMA 4 rated, making it a tough yet versatile pressure transducer.

Running off of 10-30 VDC, the TVI-GP 250 can supply either a 1-5 VDC or a 4-20mA output. To ensure an accurate linear analog output, the TVI-GP 250 contains circuitry to provide signal conditioning and temperature compensation as an integral part of the device. The TVI-GP 250 is calibrated to NIST-traceable standards.

SPECIFICATIONS:

Pressure Range:	0-100, 250, 500, 1000, 2500 5000, 10000 PSI (0-7, 17, 35, 70, 175, 350 700 Bar)
Accuracy:*	< 1% of F.S.O.
Stability:	+/- 0.25% F.S.O. typical
Thermal Effects:	< +/- 2% of F.S.O.
Overpressure:	5X range or 20,000 PSI, whichever is less
Compensated Range:	30 to 130 °F (0 to 55 °C)
Operating Temp:	-4 to 185 °F (-20 to 85 °C)
Media:	Any media, wet or dry, compatible with 17-4 PH stainless steel
Input Supply:	10-30 VDC
Supply Current:	10mA maximum (for voltage output)
Load Resistance (Voltage Output):	5K Ohm
Load Resistance (Current Output):	1.1KOhm
Output Signal:	1-5 VDC, 4-20 mA two wire
Zero Offset:	+/- 2%
Electrical Connections:	24" 3-wire (1-5V output), 24" 2-wire (4-20 mA output)
Housing:	Solid one piece 17-4 PH stainless steel
Connections:	1/4" NPT
Weight:	4 oz (113.5 grams)
Dimensions:	2.2"L x 7/8"Diameter (54.8 mm L x 21.4 mm Diameter)

* Includes non-linearity, hysteresis, and non-repeatability.

HOW TO ORDER

A typical order number consists of the model number, type, pressure range, output signal, and mounting connection

<u>Model</u>	<u>Pressure Range</u>	<u>PSI or Bar</u>	<u>Output</u>	<u>Mounting Connection</u>
TVI-GP 250	100P / 7B 250P / 17B 500P / 35B 1000P / 70B 2500P / 175B 5000P / 350B 10000P / 700B	P = PSI B = Bar	3 = 1-5 VDC 4 = 4-20 mA two wire	N = 1/4" NPT

Example: TVI-GP 250- 500P 4 N (Model TVI-GP 250, 500 PSI pressure range, 4-20 mA output, 1/4" NPT mounting connection)