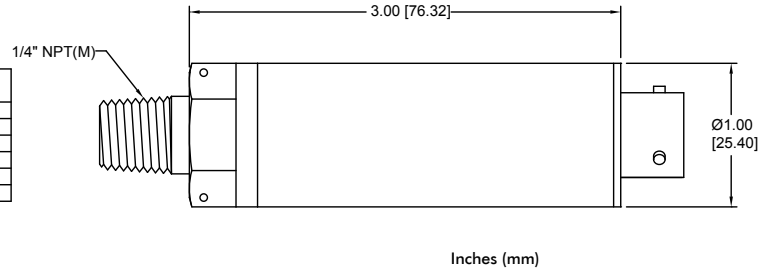


MODEL 140/240/340 COMPACT INDUSTRIAL PRESSURE TRANSDUCER



STANDARD WIRING

PIN	MODEL 140	MODEL 240	MODEL 340
A/1/RED	+EXC	+EXC	+EXC/SIG
B/2/GRN	+SIG	+SIG	N/C
C/3/WHT	-SIG	N/C	N/C
D/4/BLK	-EXC	-EXC/SIG	-EXC/SIG
E/5/BLU	N/C	N/C	N/C
F/6/BRN	N/C	N/C	N/C



Standard configurations shown.
Please consult factory for other options.

PRODUCT OVERVIEW:

The Model 40 Series provides a compact, rugged design to meet the demands of hydraulic and pneumatic applications found in process automation, test stand, and OEM applications. Its rugged stainless steel design offers high corrosion resistance in pressure ranges from 0-25" WC (69 Mbar) to 30K PSI (2068 bar).

FEATURES:

- Compact design for ease of installation
- Rugged, all stainless, welded construction
- Ranges 0 to 1 PSI thru 0 to 30K PSI (69 MBAR to 2068 BAR)
- 4-20mA, Vdc or MV/V output
- Optional process and electrical connections

APPLICATIONS:

- Automotive
- Industrial OEM
- On-board vehicle
- Compressor Controls
- Pneumatic/ Hydraulic Controls

OPTIONS:

- Shunt calibration for active line testing without a pressure source
- Comprehensive list of process and electrical connections for existing application retrofits
- Exotic materials available
- For Hazardous locations see Model 240-AI/340-AI

GP:50 MODEL 140/240/340

REFERENCE SPECIFICATIONS

Standard configurations shown, consult factory for other options

ELECTRICAL	
Output Signal:	(Model 140) Varies by range and accuracy: 0-1 PSI thru 0-2,000 PSI: 3.0 mV/V (Optional 5 to 10 mV/V) >2000 - 15,000 PSI: from 1.0 to 3.0 mV/V > 15K PSI: from 1.0 to 2.5 mV/V (Model 240) 0-5Vdc, 0-10Vdc (Model 340) 4-20mA
Excitation Voltage:	(Model 140) 5.0 to 15 Vdc typical (Model 240) 9.0 to 36 Vdc (Model 340) 9.0 to 36 Vdc
Bridge Resistance:	(Model 140) ~5000 Ω
Circuit Protection:	RFI, EMI & Reverse polarity protected
Response Time:	~1 mSec

MATERIALS OF CONSTRUCTION	
Wetted Parts:	≤2000 PSI 316L SST w/silicone oil fill (Fomblin oil fill available, consult factory) >2000 PSI 17-4 PH SST (Inconel available, consult factory)
Housing:	316 Stainless Steel
Internal Fill:	(See Wetted Parts)

ACCURACY (BFSL): Hysteresis, Non-Linearity & Repeatability @ +70 °F	
Standard:	±0.25% FSO
Improved:	±0.10%
Zero & Span Balance:	±0.1% FSO at +70 °F (+21 °C) for each

MECHANICAL	
Process Connection:	¼" NPT (M) standard (options available)
Electrical Connection:	Bendix PT1H-10-6 or equivalent standard, options available
Proof Pressure:	2X FSO
Burst Pressure:	5X FSO
Approximate Weight:	0.5 lb (0.22 kg) (some options may affect weight)

PRESSURE RANGES	
0 to 1 PSI thru 0 to 30K PSI, some options may affect range (PSIG, PSIS, PSIA, PSIV & compound ranges available)	

THERMAL SPECIFICATIONS	
Operating Range:	-40 °F to +250 °F (-40 °C to +121 °C)
Compensated Range:	0 °F to +180 °F (-17.7 °C to +82 °C)
Storage Ambient:	-65 °F to +250 °F (-53 °C to +121 °C)
Effect on Zero/Span:	±1.0% FSO/100 °F
Improved or expanded temperature compensation available	

