



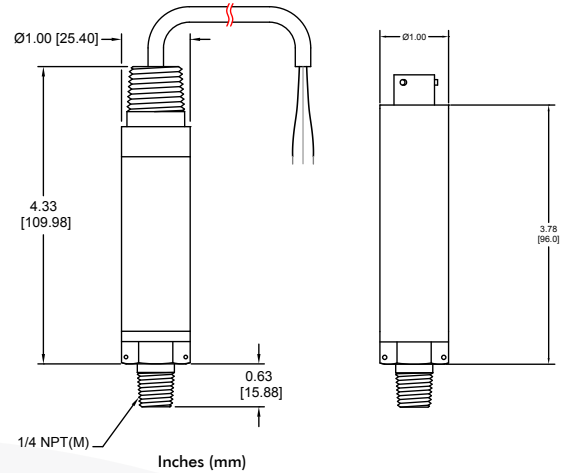
OIL & GAS

MODEL 240/340 AI/AN/AF HAZARDOUS LOCATIONS PRESSURE TRANSDUCER



STANDARD WIRING CONFIGURATION

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



Current Approval: Pending Approval:



Standard configurations shown. Please consult factory for other options.

PRODUCT OVERVIEW:

Model 40 Series from GP:50 incorporates over 25 years of oil field proven design in a 1" diameter package. The 40 Series provides a rugged solution for hazardous approved areas, especially where space constraints are a concern. Its all-welded stainless steel design will provide years of reliable service in some of the harshest environments.

FEATURES:

- Compact design for easier installation
- All stainless steel welded construction
- ATEX & IEC Approvals
- Improved accuracy and thermally compensated
- Ranges 0 to 1 PSI thru 0 to 50K PSI (69 Mbar to 3447 Bar)
- NACE MR-01-75 compliant wetted parts available

APPLICATIONS:

- Natural Gas Compression
- Rig safety systems
- Well head control
- Control panels
- On-board transmission & engine monitoring

OPTIONS:

Currently Available:

- ATEX/IEC Intrinsically Safe, Zone 2, Flameproof*

Pending:

- FM/CSA*

*For details of available approvals go to: <https://www.gp50.com/certifications>



GP:50 MODEL 240/340 AI/AN/AF HAZARDOUS LOCATIONS

REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

ELECTRICAL	
Output Signal:	(Model 240) 0-5 Vdc, 1-5Vdc, and 0-10Vdc (Model 340) 4-20 mA
Excitation Voltage:	(Model 240) 9 to 28 Vdc (Model 340) 10 to 28 Vdc
Circuit Protection:	RFI, EMI & Reverse polarity protected
Response Time:	<4 ms

MATERIALS OF CONSTRUCTION	
Wetted Parts:	≤2000 PSI 316L SST >2000 PSI 17-4 PH SST, Inconel 718 available
Housing:	316 Stainless Steel
Internal Fill:	≤2000 PSI Silicone Oil (Optional Fomblin)

ACCURACY (BFSL): Hysteresis, Non-Linearity & Repeatability @ +70 °F	
Standard:	±0.2% FSO
Improved:	±±0.10%
Zero & Span Balance:	±1% FSO at +70 °F

MECHANICAL	
Process Connection:	¼" NPT (M), options available
Electrical Connection:	½" NPT M conduit w/ 6ft 18 AWG multi-conductor cable (options available)
Proof Pressure:	2X FSO up to 20K PSI, 1.2X > 20K PSI
Burst Pressure:	5X FSO up to 20K PSI, 1.5X > 20K PSI
Approximate Weight:	0.5 lb (0.23 kg) nominal options may increase weight
Environmental:	Designed to meet IP67 (Some options may affect this. Consult factory if critical.)

PRESSURE RANGES	
0 to 1 PSI thru 0 to 50K 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) (Hazardous Approval Area rating may affect limits)
Compensated Range:	0 °F to +180 °F (-18 °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

APPROVALS:	
ATEX/IEC Intrinsically Safe: Zone 2, Flameproof	

PENDING APPROVALS:	
FM/CSA	

