



EXPLOSION PROOF & HAZARDOUS LOCATIONS PRESSURE TRANSDUCER

MODEL 340/P/AP/N/AN/I/AI

FEATURES:

- New compact design for easier installation
- 1" diameter stainless steel welded construction
- FM/CSA, Explosion-proof, CE approvals pending
- Welded, rugged construction
- Optional high overpressure protection

APPLICATIONS:

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

PRODUCT OVERVIEW:

Our most popular Industrial models 211 and 311 options and approvals are now available in a 1" diameter package. GP:50's Model 40 series provides a rugged solution in hazardous approved areas in a compact, all welded stainless steel design, and provides years of reliable service in some of the harshest applications.

APPROVALS (PENDING):

- FM, FM/CSA: Class I/II/III, Div 1, Grps A-G, T6 at Ta=40C
 - FM: Class I, Zone 2 AEx nC IIC T5, Class I, Div. 2, Grp. A, B, C, D Class II, Grp. E, F, G, Class III T5, Ta = 80C
 - CSA: Ex nA IIC T5, Ex nL IIC T5, Class I Div. 2 Grp. A, B, C, D Class II Div. 2 Grp. E, F, G Class III T5, Ta=80C
 - ATEX: CE0575 II 3 G Ex nA IIC, Ex ic IIC T5, Ta=80C
 - IEC: Ex na IIC, Ex ic IIC T5, Ta=80C
- (all Zone 2/Div 2 approvals are electrical connector dependent)



Model 340/P/AP/N/AN/I/AI
Explosion Proof & Hazardous Locations
Pressure Transducer



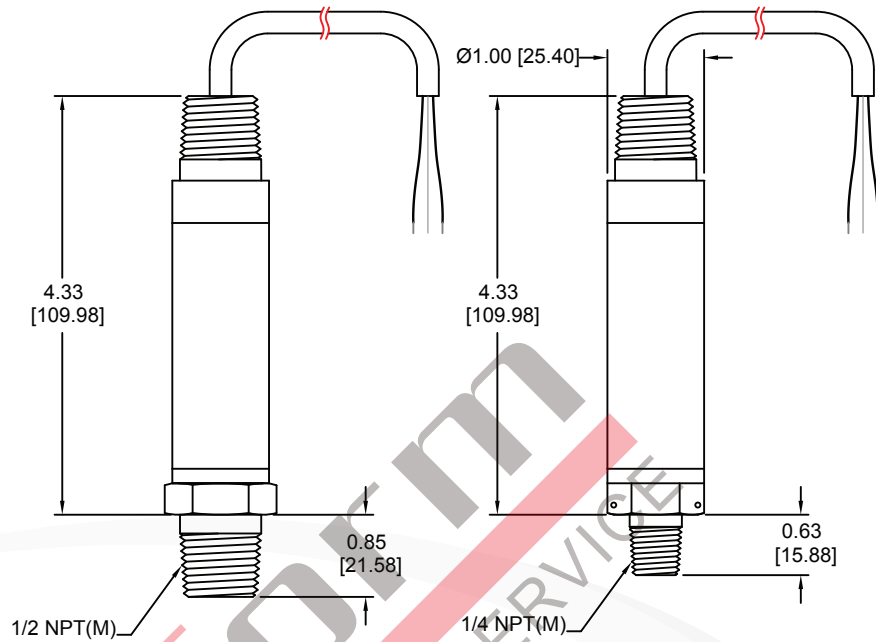
GP:50 MODEL 340/P/AP/N/AN/I/AI

DIMENSIONAL DRAWING

All dimensions are in inches (mm)

STANDARD WIRING

WIRE	MODEL 240AP/AN/GN	MODEL 340AP/AN/GN
RED	+EXC	+EXC/SIG
GRN	+SIG	N/C
WHT	N/C	N/C
BLK	-EXC/SIG	-EXC/SIG
GRN/YEL	N/C	N/C



ELECTRICAL

- **Excitation Voltage:**
(Model 240 AP/AN/GN) 10.5 to 32 Vdc
(Model 340 AP/AN/GN) 10 to 28 Vdc
- **Output Signal:** 0-5 Vdc and 4-20 mA
- **Load Impedance:**
(Model 240) 1350 Ω max. 36 Vdc
(Model 340) 750 Ω max. 24 Vdc
- **Input Impedance:**
(Model 240) 8 mA nominal
- **Insulation Resistance:** >10 MΩ at 50 Vdc and +70 °F
- **EMI Specs:** EMC directive 2004/108/EC, EN 61326 emission
- **Connection:** 1/2" NPT M conduit w/ 6ft 18 AWG multi-conductor cable

MATERIALS OF CONSTRUCTION

- **Wetted Parts:** 17-4 PH stainless steel
(Hastelloy C-276 and Inconel available, consult factory)
- **Housing:** 316 stainless steel

STATIC ACCURACY (RSS) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)

Standard ±0.5%, ±0.2%

Zero Balance and FSO: ±1% FSO at +70 °F

MECHANICAL

- **Process Connection:** 1/4" NPT (M), options available
- **Proof Pressure:** 2X FSO
- **Burst Pressure:** 5X FSO
- **Approximate Weight:** 0.5 lb nominal, options may increase weight

PRESSURE RANGES

- 0 to 5 PSI thru 0 to 15K PSI, some options may affect range (PSIG, PSIS, PSIA, PSIV & compound ranges available)

THERMAL SPECIFICATIONS

- **Compensated:** 0 °F to +180 °F (-17.7 °C to +82 °C)
- **Operating:** -40 °F to +176 °F (-40 °C to +80 °C)
- **Storage:** -65 °F to +250 °F (-53 °C to +121 °C)
- **Effect on Zero/Span:** ±2.0% FSO/100 °F

All specifications are for reference purposes only. In the interests of continuous product improvement, all specifications are subject to change without notice. Please contact GP:50 for assistance with your application.