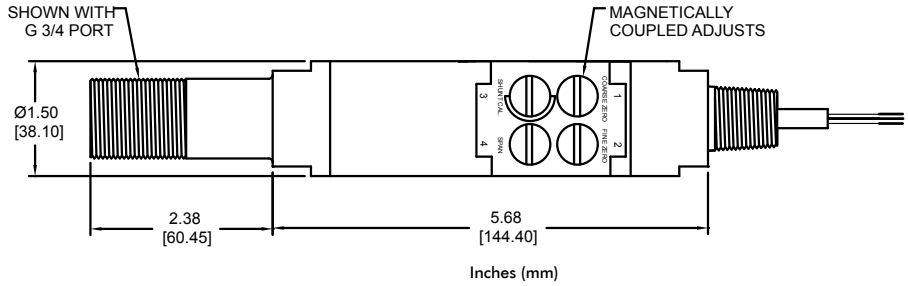
MODEL 1171-LDPE

HIGH-PRESSURE, HIGH-TEMPERATURE PROCESS TRANSMITTER

STANDARD WIRING

WIRE	MODEL 1171-LDPE
1/RED	+EXC/SIG
2/BLK	-EXC/SIG
3/GRN	CASE GND



Standard configurations shown.
Please consult factory for other options.

PRODUCT OVERVIEW:

Model 1171-LDPE from GP:50 is a high-pressure, high-temperature process transmitter. Its process connections are directly compatible with all G-type threads or lens seals, as well as high pressure coned connections. A highly robust transmitter design incorporates an integral high-temperature sensor that further offers minimal thermal shift over a broad temperature range. Its single piece, non-welded construction eliminates weld failure risks.

FEATURES:

- One piece sensor design
- External G¾, G½ & G⅜ process connections
- Magnetically coupled adjustment
- Hermetically sealed
- Process temperature rated to +350 °F (+175 °C)

APPLICATIONS:

- Low-density polyethylene (LDPE)
- Steam cracking furnaces
- Ethylene gas production
- High-pressure reactors

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GP:50 MODEL 1171-LDPE

REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

ELECTRICAL	
Output Signal:	4-20 mA, two-wire loop powered
Excitation Voltage:	9 to 36 Vdc
Circuit Protection:	RFI/EMI & Reverse polarity
Response Time:	5 ms, 10 to 90% FSPR

MATERIALS OF CONSTRUCTION	
Wetted Parts:	Inconel 718, 13-8 Monel
Housing:	300 Series stainless steel

ACCURACY (BFSL): Non-Linearity @ + 70 °F	
Standard:	±0.25% FSO
Zero & Span Balance:	±0.25% FSO

MECHANICAL	
Process Connection:	G¾", G½" or G⅜" (M) metal-to-metal "Lens" seal
Electrical Connection:	½" NPT (M) with 72" leads
Proof Pressure:	1.2X full-scale or 108K PSI (7,446 BAR) whichever is less
Burst Pressure:	1.5X full-scale or 108K PSI (7,446 BAR), whichever is less
Approximate Weight:	2 lbs (0.9 kg) nominal

PRESSURE RANGES
0 to 1,000 PSI thru 0 to 90K PSI (69 thru 6,100 BAR)

THERMAL SPECIFICATIONS	
Operating Range:	-40 °F to +250 °F (-40 °C to +121 °C)
Compensated Range:	70 °F to +250 °F (21 °C to +121 °C)
Operating Process:	-40 °F to -350 °F (-40 °C to +175 °C)
Storage Ambient:	-65°F to +250 °F (-53 °C to +121 °C)
Effect on Zero/Span:	<±1.0% FSO/100 °F

INDUSTRIAL

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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.