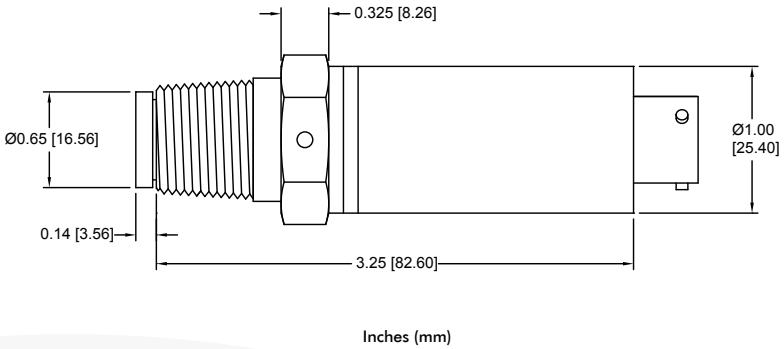
MODEL 540-IM

FLUSH MOUNT CAN BUS PRESSURE TRANSMITTER

STANDARD WIRING

PIN	MODEL 540-IM
A/1	+EXC
B/2	-EXC
C/3	CASE GND
D/4	CANBUS HI
E/5	CANBUS LOW
F/6	N/C



Inches (mm)

REF DIMENSIONS ONLY.
CONSULT FACTORY FOR ACTUAL DIMENSIONS.

PRODUCT OVERVIEW:

GP:50's Model 540-IM Series offers CAN Bus protocol in a flush faced sensor design. GP:50's CAN Bus protocol provides high resolution, reduced noise and improved thermal performance. The flush Inconel diaphragm provides maximum corrosion resistance and limits plugging associated with viscous media.

FEATURES:

- Flush sensor eliminates media plugging
- Compact size
- Rugged welded design
- No zero offset from installation
- CAN Bus J1939 Protocol or CAN Open

APPLICATIONS:

- Oil field vehicle controls
- Off-shore platforms
- Dredging
- Automotive test stands
- Medical equipment
- Laboratory R&D

OPTIONS:

- Field adjustable zero
- Adjustable message addresses, bit rate and message streaming
- Optional extended CAN 2.0B 29-bit CAN identifiers

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GP:50 MODEL 540-IM

REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

ELECTRICAL	
Output Signal:	CAN Bus SAE J1939 (consult factory)
Current Draw:	40 mA
Standard Resolution:	18 Bit
Temperature Output:	Available
Excitation Voltage:	Standard: 10-32 Vdc Optional Expanded: 4.5 to 32 Vdc
Standard Messaging:	Pressure, temperature & mV/V sensor (Up to four messages can be streamed)
Standard CAN Protocol:	11 Bit CAN identifiers Optional Extended CAN 2.0B-29 Bit CAN identifiers

MATERIALS OF CONSTRUCTION	
Wetted Parts:	Inconel
Housing:	316 Series Stainless Steel

ACCURACY (BFSL): Non-Linearity @ +70 °F	
Standard:	±0.5%
Improved:	±0.2% and ±0.1% available
Zero & Span Balance:	±1% FSO

MECHANICAL	
Process Connection:	½" NPT (M)
Electrical Connection:	½" NPT (M) conduit with 36" cable leads or 6-Pin Bendix connector
Proof Pressure:	2X FSO (optional 5X FSO)
Burst Pressure:	5X FSO
Approximate Weight:	<0.5 lb (225g)

PRESSURE RANGES
0 to 50 thru 0 to 1000 PSI (3.5 thru 69 BAR) Gauge, Sealed Gauge, Absolute

THERMAL SPECIFICATIONS	
Operating Ambient:	-40 °F to +185 °F (-40 °C to +85 °C)
Operating Process:	-40 °F to +250 °F (-40 °C to +121 °C)
Compensated Range:	+30 °F to -185 °F (-1 °C to -120 °C)
Storage Ambient:	-65 °F to 250 °F (-54 °C to +121 °C)
Effect on Zero/Span:	<±0.5% FSO/100 °F
Improved or expanded temperature compensation available	

OIL & GAS

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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.