



## Pressure, Level & Temperature Transmitters & Transducers

U.K. Distributor Interface Force Measurements

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### Model 540 Series

## FLUSH MOUNT CANBUS PRESSURE TRANSMITTER



#### FEATURES:

- Flush sensor resists plugging
- All welded, rugged construction
- No Zero installation effect
- Compact design

#### CANBus J1939 Protocol offers:

- Adjustable Bit Rate
- Adjustable Message Output Rate
- System Output Re-Zero
- Digital Shunt
- Adjustable Message Addresses
- Custom Message Streaming
- High Stability option provides; Higher Resolution, Noise Reduction, Better Thermal Performance & Long Term Stability

#### PRESSURE RANGES: (Consult factory for higher ranges)

- 0-50 Thru 0-1,000 PSI

#### WIRING: 540

A/1	+ Excitation
B/2	- Excitation
C/3	Case Ground
D/4	Can High
E/5	Can Low
F/6	N/C

#### Accuracy: (Static Error Band)

- Series B: +/- 0.5 % FSO
- Series C: +/- 0.25 % FSO
- Series D: +/- 0.1 % FSO
- Series E: +/- 0.05 % FSO

#### Temperature Compensation: (Expanded & Improved Options Available)

- Compensated Range: 30° F -185° F
- Operating Range: Process: -40° F to +250° F  
Ambient: -40° F to +185° F
- Storage Range: -65° F to +250° F
- Temperature Effect on Zero: +/-0.5 % FSO/100° F
- Temperature Effect on Span: +/-0.5 % FSO/100° F

#### Electricals:

- Standard Excitation Voltage: 5.6 -18 VDC
- Optional Expanded Excitation Voltage: 4.5-37 VDC
- Current Draw: 40 mA
- Output: CANBus J1939 (Consult Factory for Specifics)
- Standard Resolution: 16 Bit
- Optional Improved Resolution: 18 Bit
- Standard Connection: 1/2" NPT Male Conduit with 36" leads
- 4 Wire Device: +/- Signal & +/- Power, Case Ground

#### Mechanicals:

- Proof Pressure: 2x FSO (Optional 5 X)
- Burst Pressure: 5x FSO
- Case Materials: 300 series SST
- Wetted parts: 17- 4PH S316
- Process Connection: Flush 1/2" NPT Male

#### Protocol: (Consult Factory for More Detail)

- Standard Can protocol - 11 bit CAN Identifiers
- Optional Extended Can 2.0B -29 bit CAN Identifiers
- Standard messaging: Pressure, Temperature & mV/V Sensor  
Up to four messages can be streamed

A5SL-540.00



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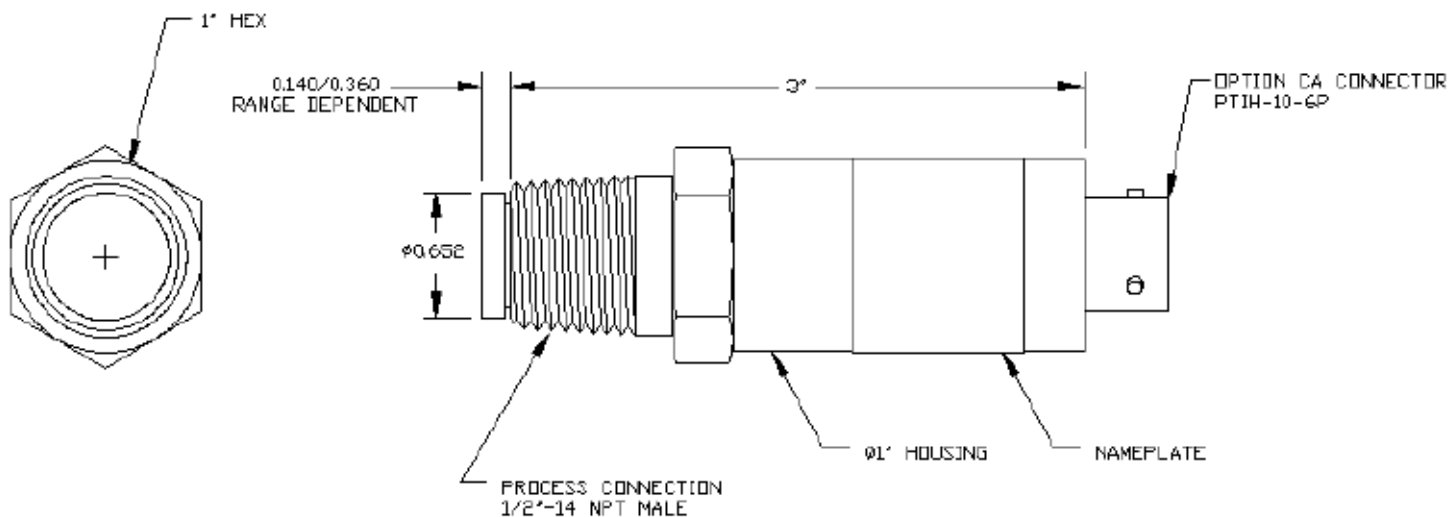
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Some options will affect dimensions. Consult factory if important.



#### Typical configurations (Consult Factory for More Options)

##### MODEL

540 CANBus (J1939)

##### STATIC ACCURACY

**B** +/- 0.5 % FSO    **D** +/- 0.1 % FSO  
**C** +/- 0.25 % FSO    **E** +/- 0.05 % FSO

##### PRESSURE RANGE

(PSI)

<b>PV</b> 0-15	<b>RE</b> 0-250
<b>PX</b> 0-75	<b>RF</b> 0-300
<b>PZ</b> 0-100	<b>RH</b> 0-500
<b>RB</b> 0-150	<b>RK</b> 0-750
<b>RD</b> 0-200	<b>RM</b> 0-1,000

##### PRESSURE TYPE

- 2 Gauge
- 3 Absolute
- 6 Sealed Gauge

#### OPTIONS (Other Options Available, Consult Factory)

##### ELECTRICAL CONNECTOR OR CABLE

- CA** PTIH-10-6P (Mate PT06E-10-6S [SR], not included)
- CF** 1/2" NPT (M) Thread with 3FT leads
- DK** 4 Pin SST Glenair Equal

##### PRESSURE PORTS

- IM** 1/2" NPT Male (Flush)

#### NOTE:

Specifications reflect standard product, improved performance / mechanical options available.

Modifications may alter specs, consult factory for more information.

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