

## FLUSH MOUNT PRESSURE TRANSMITTER

### MODEL 240/340-IM



Model 340-IM  
Flush Mount Design

#### FEATURES:

- Flush faced sensor minimizes media plugging and damage
- Compact 1" diameter
- Rugged, all-welded stainless steel design
- No zero offset from installation
- 5X proof pressure

#### APPLICATIONS:

- Wastewater treatment
- Onboard vehicles
- Skidded systems
- Sludge and slurries
- Adhesives and paints
- Pump suction and discharge lines of blender and Frack trucks
- Corrosive and higher viscosity media

#### PRODUCT OVERVIEW:

The Model 40-IM series from GP:50 is a flush face mounted industrial pressure transmitter. It is expressly designed for higher viscosity media, particularly where such media can otherwise clog or damage traditional non-flush port sensor designs. The rugged, all-welded, Inconel design of the 40-IM series allows for greater compatibility with corrosive media. No zero offset is caused during sensor installation.

#### FIELD OPTIONS:

- Direct NPT or flanged process mounting
- Select electrical connectors
- 4-20 mA or 0-5Vdc output

#### AVAILABLE APPROVALS:

- ATEX & IEC Hazardous approvals
- FM & CSA Pending



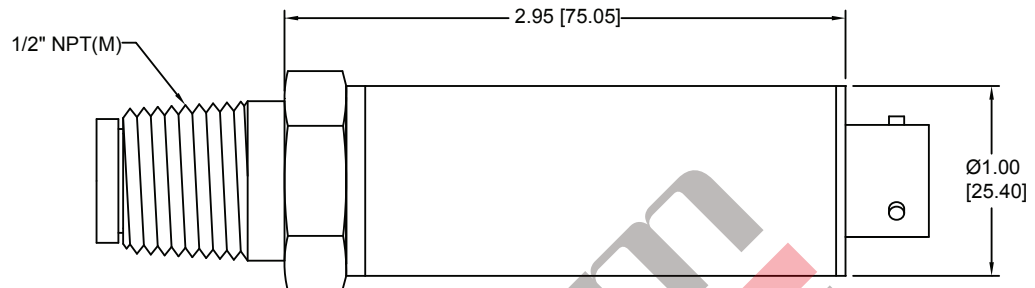
# GP:50 MODEL 240/340-IM

## DIMENSIONAL DRAWING

All dimensions are in inches (mm)

### STANDARD WIRING

PIN	MODEL 340IM
A/1/RED	+EXC/SIG
B/2/GRN	N/C
C/3/WHT	N/C
D/4/BLK	-EXC/SIG
E/5/BLU	N/C
F/6/BRN	N/C



## REFERENCE SPECIFICATIONS

ELECTRICAL	MECHANICAL
<ul style="list-style-type: none"> <li>• <b>Supply Voltage:</b> 9.0 to 40 Vdc</li> <li>• <b>Output Signal:</b> 4-20 mA</li> <li>• <b>Load Impedance:</b> 1,350 <math>\Omega</math> max. at 36 Vdc and 750 <math>\Omega</math> max. Vdc</li> <li>• <b>Zero Balance:</b> <math>\pm 2\%</math> FSO at 70 °F</li> <li>• <b>Insulation Resistance:</b> &gt; 10 M<math>\Omega</math> at 50 Vdc and 70 °F</li> <li>• <b>Connection:</b> 1/2" NPT (M) conduit with 36" cable leads or 6-pin Bendix connector</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Process Connection:</b> 1/2" NPT (M)</li> <li>• <b>Proof Pressure:</b> 5X FSO or 2K PSI (138 BAR), whichever is less</li> <li>• <b>Burst Pressure:</b> 7X FSO 3.5K PSI (242 BAR), whichever is less</li> <li>• <b>Burst Pressure:</b> 0-50 thru 0-500 PSI (3.5 thru 35 BAR) gauge, sealed gauge, absolute</li> <li>• <b>Environmental:</b> Design to meet IP67 (Some options may affect this. Consult factory if critical.)</li> </ul>
MATERIALS OF CONSTRUCTION	TEMPERATURE
<ul style="list-style-type: none"> <li>• <b>Wetted Parts:</b> Inconel 718</li> <li>• <b>Housing:</b> 316 stainless steel</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Compensated:</b> 0 °F to +180 °F (-18 °C to +82 °C)</li> <li>• <b>Operating Ambient:</b> -20 °F to +190 °F (-29 °C to +88 °C)</li> <li>• <b>Maximum Operating Process:</b> +250 °F (+121 °C)</li> <li>• <b>Effect on Zero/Span:</b> <math>&lt; \pm 2.0\%</math> FSO/100 °F</li> </ul>
STATIC ACCURACY (RSS) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)	
Standard: $\pm 0.5\%$ FSO Improved: $\pm 0.2\%$ FSO	

**Standard configurations shown.  
Please consult factory for other options.**

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.