



## FLUSH MOUNT PRESSURE TRANSMITTER



Model BR340-IM  
Flush Mount Design

Current Approvals:



### MODEL BR340-IM

#### 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 available

#### APPLICATIONS:

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

#### PRODUCT OVERVIEW:

The Model BR340-IM series from Blue Ribbon Corporation is a flush diaphragm industrial pressure transmitter designed for locations where high viscosity media can clog or damage traditional non-flush port sensor designs. The rugged, all-welded, Inconel design of the BR340-IM series provides durability and greater resistance to corrosive media, and with minimal clamping sensitivity there is no zero offset from 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

Order from: **C A Briggs Company**  
622 Mary Street; Suite 101; Warminster, PA 18974  
Phone: 267-673-8117 - Fax: 267-673-8118  
[Sales@cabriggs.com](mailto:Sales@cabriggs.com) - [www.cabriggs.com](http://www.cabriggs.com)

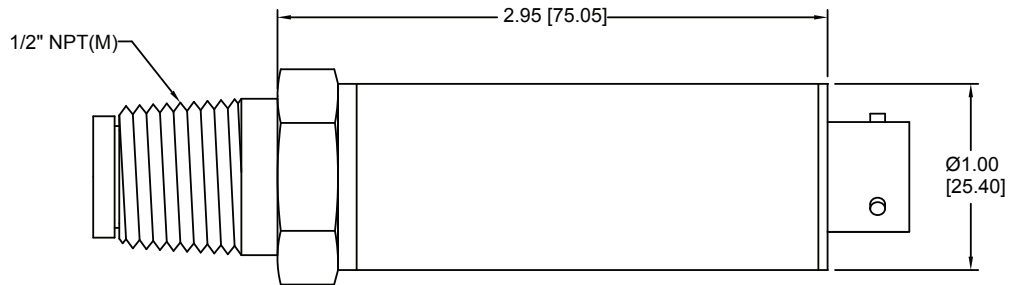
**BR5SL-TX-017**  
REV-B

# FLUSH MOUNT PRESSURE TRANSMITTER

## 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

<p><b>ELECTRICAL</b></p> <ul style="list-style-type: none"> <li>• Supply Voltage: 9.0 to 40 Vdc</li> <li>• Output Signal: 4-20 mA</li> <li>• Load Impedance: 1,350 <math>\Omega</math> max. at 36 Vdc and 750 <math>\Omega</math> max. Vdc</li> <li>• Zero Balance: <math>\pm 2\%</math> FSO at 70 °F</li> <li>• Insulation Resistance: &gt; 10 M<math>\Omega</math> at 50 Vdc and 70 °F</li> <li>• Connection: 1/2" NPT (M) conduit with 36" cable leads or 6-pin Bendix connector</li> </ul>	<p><b>MECHANICAL</b></p> <ul style="list-style-type: none"> <li>• Process Connection: 1/2" NPT (M)</li> <li>• Pressure Ranges: 0-75 thru 0-750 PSI (5 thru 52 BAR) gauge, sealed gauge, absolute</li> <li>• Proof Pressure: 2X FSO or 2K PSI (138 BAR), whichever is less (5X FSO optional)</li> <li>• Burst Pressure: 5X FSO or 3.5K PSI (242 BAR), whichever is less</li> <li>• Environmental: Design to meet IP67 (Some options may affect this. Consult factory if critical.)</li> </ul>
<p><b>MATERIALS OF CONSTRUCTION</b></p> <ul style="list-style-type: none"> <li>• Wetted Parts: Inconel 718</li> <li>• Housing: 316 stainless steel</li> </ul>	<p><b>TEMPERATURE</b></p> <ul style="list-style-type: none"> <li>• Compensated: 0 °F to +180 °F (-18 °C to +82 °C)</li> <li>• Maximum Operating: -50 °F to +250°F (-46 °C to +121 °C)</li> <li>• Effect on Zero/Span: &lt; <math>\pm 2.0\%</math> FSO/100 °F</li> </ul>
<p><b>STATIC ACCURACY (RSS) (HYSTERESIS, NON-LINEARITY &amp; REPEATABILITY @ +70 °F)</b></p> <p>Standard: <math>\pm 0.5\%</math> FSO Improved: <math>\pm 0.2\%</math> FSO</p>	

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

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