FLUSH MOUNT PRESSURE TRANSMITTER

MODEL BR340-IM



Model BR340-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 trucks
- Corrosive and high viscosity media

PRODUCT OVERVIEW:

The Model BR340-IM series from Blue Ribbon Corporation 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 BR340-IM series allows for greater compatability 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

Current Approvals:

AVAILABLE APPROVALS:

- ATEX & IEC Hazardous approvals
- FM & CSA Pending

For details of available approvals go to:
Blue Ribbon Corp Certifications

BR5SL-TX-017
REV-D

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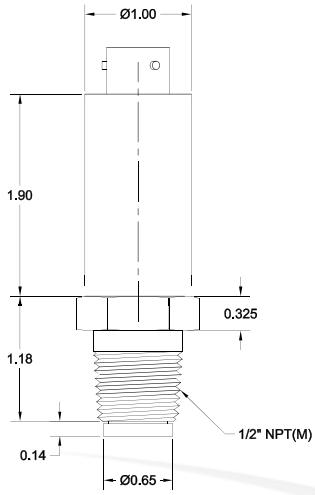
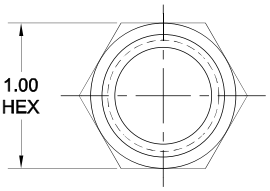
DIMENSIONAL DRAWING

All dimensions are in inches (mm)

WIRING CONFIGURATION

PIN	DESCRIPTION
A	+EXC/SIG
B	-EXC/SIG
C	N/C
D	N/C
E	N/C
F	CASE GND





REFERENCE SPECIFICATIONS

ELECTRICAL

- **Supply Voltage:** 9.0 to 40 Vdc
- **Output Signal:** 4-20 mA
- **Load Impedance:** 1,350 Ω max. at 36 Vdc and 750 Ω max. Vdc
- **Circuit Protection:** RFI, EMI and reverse polarity
- **Insulation Resistance:** > 10 MΩ at 50 Vdc and 70 °F
- **Response Time:** <5 ms 10% to 90%
- **Connection:** ½" NPT (M) conduit with 36" cable leads or 6-pin connector (PTIH-10-6P)

MATERIALS OF CONSTRUCTION

- **Wetted Parts:** Inconel 718
- **Housing:** 316 stainless steel

STATIC ACCURACY (BFSL): Non-Linearity @ +70 °F

Standard: ±0.5% FSO
Improved: ±0.2% FSO
Zero & Span Balance: ±2.0% FSO at +70 °F

MECHANICAL

- **Process Connection:** ½" NPT (M)
- **Proof Pressure:** 2X FSO or 2K PSI (138 BAR), whichever is less (5X FSO optional)
- **Burst Pressure:** 5X FSO or 3.5K PSI (242 BAR), whichever is less
- **Environmental:** Designed to meet IP67 (Some options may affect this. Consult factory if critical.)
- **Approximate Weight:** <0.5lb (225g)

PRESSURE RANGES

- 0 to 75 thru 0 to 750 PSI (5 thru 52 BAR)
  Gauge, Sealed Gauge, Absolute

TEMPERATURE

- **Compensated:** 0 °F to +180 °F (-17.8 °C to +82 °C)
- **Operating Range:** -50 °F to +250°F (-46 °C to +121 °C)
- **Storage Ambient:** -65 °F to +250°F (-53 °C to +121 °C)
- **Effect on Zero/Span:** ±2.0% FSO/100 °F

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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