



FLUSH MOUNT BLENDER DISCHARGE PRESSURE TRANSDUCER

MODEL BR340-IM

PRODUCT OVERVIEW:

The Model BR340-IM from Blue Ribbon Corporation is a flush face mounted industrial pressure transmitter. It is expressly designed for the support of truck mounted blender discharge applications. The Series rugged, all-welded design allows for greater compatibility with corrosive or higher viscosity media, particularly where such media can otherwise clog or damage traditional non-flush port sensor designs.



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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 & hydrators
- Corrosive and higher viscosity media

FIELD OPTIONS:

- Direct NPT or flanged process mounting
- Select electrical connectors

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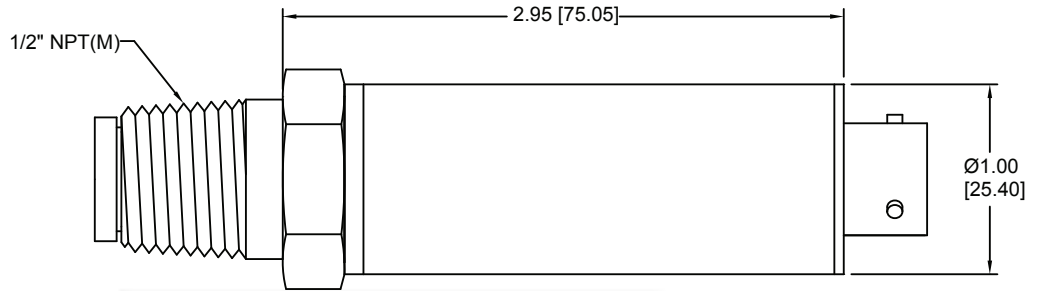
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DIMENSIONAL DRAWING

All dimensions are in inches (mm)

STANDARD WIRING

PIN	MODEL BR340IM
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

- **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
- **Zero Balance:** $\pm 2\%$ FSO at 70 $^{\circ}$ F
- **Insulation Resistance:** > 10 M Ω at 50 Vdc and 70 $^{\circ}$ F
- **Connection:** 1/2" NPT (M) conduit with 36" cable leads or 6-pin Bendix connector

MATERIALS OF CONSTRUCTION

- **Wetted Parts:** Inconel 7-18 stainless steel
- **Housing:** 316 stainless steel

STATIC ACCURACY (RSS) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 $^{\circ}$ F)

- **Standard:** $\pm 0.5\%$ FSO
- **Improved:** $\pm 0.2\%$ FSO

MECHANICAL

- **Process Connection:** 1/2" NPT (M)
- **Proof Pressure:** 5X FSO or 2K PSI (138 BAR), whichever is less
- **Burst Pressure:** 7X FSO 3.5K PSI (242 BAR), whichever is less
- **Pressure Range:** 0-50 thru 0-500 PSI (3.5 thru 35 BAR) gauge, sealed gauge, absolute

TEMPERATURE

- **Compensated:** 0 $^{\circ}$ F to +180 $^{\circ}$ F (-18 $^{\circ}$ C to +82 $^{\circ}$ C)
- **Operating Ambient:** -20 $^{\circ}$ F to +190 $^{\circ}$ F (-29 $^{\circ}$ C to +88 $^{\circ}$ C)
- **Maximum Operating Process:** +250 $^{\circ}$ F (+121 $^{\circ}$ C)
- **Effect on Zero/Span:** $< \pm 2.0\%$ FSO/100 $^{\circ}$ 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.