

BLUE RIBBO

FLUSH SUBMERSIBLE LEVEL TRANSMITTER



FEATURES:

- Large flush ceramic diaphragm
- 0 to 20 INWC thru 0 to 285 PSI
- Corrosion resistant, leak-proof construction
- PTFE, PUR or PE cable with FKM flourine seal
- Designed to 500 PSI external pressure
- Flush design saves cost and down time by eliminating sensor clean up

APPLICATIONS:

- Submersible pump lift station level monitoring
- Water tanks and reservoirs
- Process sumps
- Water and wastewater level monitoring
- Water recycling
- Sludge or slurry levels
- Other aggressive media

PRODUCT OVERVIEW:

Model BR313F utilizes a flush 1.06" flush ceramic diaphragm that inhibits grease and biosolid buildup typically found in water treatment level applications. This flush ceramic design saves cost by eliminating sensor clean-out found with many other non flush designs. The corrosion-resistant 304SS construction, and an integrated hydrophobic breather vent help provide years of maintenance-free service.

FIELD OPTIONS:

• PTFE, PUR, or Polyurethane jacketed cable



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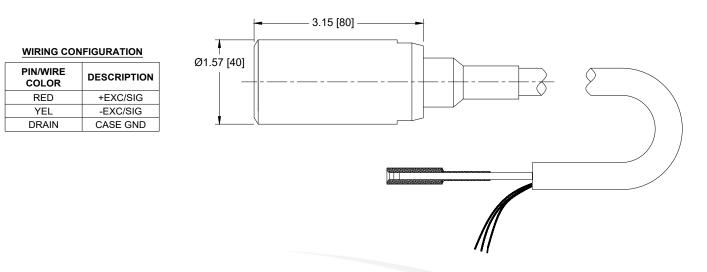
Model BR313F

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DIMENSIONAL DRAWING

All dimensions are in inches (mm)



REFERENCE SPECIFICATIONS

ELECTRICAL	MECHANICAL
 Supply Voltage: 12 to 36 Vdc Output Signal: 4-20 mA output Circuit Protection: Short circuit or reversed wired – Indefinite Load Resistance: 100 Ω max. at 50 Vdc excitation Response Time: ≤3 ms to 90% Connection: ½" NPT (M) w/8 ft 18 AWG Hytrel[®] jacketed cable (Tefzel[®] jacketed cable optional) 	 Zero Balance and FSO: ±0.75% FSO @ +70 °F Process Connection: 1.06" flush ceramic diaphragm External Pressure: Rated to 500 PSI (1,153 ft WC) max. Proof Pressure: 1.5X FSO Burst Pressure: 4X FSO Approximate Weight: 10 oz (240 g) nominal, options may increase weight
 MATERIALS OF CONSTRUCTION Housing: 304 SS (Optional 316L or Titanium) Sensor: Ceramic Al203 - 96% Electrical Connection: 40 ft Polyurethane jacketed cable with integrated vent tube and hydrophopic filter. Teflon cable 	• Diameter: 1.575" PRESSURE RANGES
	20 INWC to 0-285 PSI
	THERMAL SPECIFICATIONS
option. • Cable Seal: FKM flourine	• Compensated: +14 °F to +158 °F (-10 °C to +70 °C)
STATIC ACCURACY (RSS) (Hysteresis, non-linearity & repeatability @ +70 °F)	• Operating: -4 °F to +158 °F (-20 °C to +70 °C) • Storage: 40 °E to +180 °E (40 °C to +82 °C)
Standard: ±0.5% FSO Improved: ±0.25% FSO	 Storage: -40 °F to +180 °F (-40 °C to +82 °C) Effect on Zero/Span: <±2.0% FSO/100 °F at full
Zero & Span Balance: ±0.1% FSO @ +70 °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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