

SUBMERSIBLE LEVEL TRANSMITTER

MODEL BR313L

PRODUCT OVERVIEW:

The Model BR313L from Blue Ribbon Corporation is a line of highly accurate and reliable submersible level transmitters. Their corrosion-resistant 316L stainless steel construction and an integrated hydrophobic breather vent help to provide years of maintenance-free service life.

FEATURES:

- Ranges of 0-20" WC thru 300 PSI (50 MBAR to 21 BAR)
- Rated to 900 FTWC (275 meters WC)
- 0.875" Diameter
- Up to $\pm 0.10\%$ FSO accuracy
- 316L stainless steel housing with optional titanium
- Hytrel jacketed cable with optional Tefzel®
- Lightning suppression as standard

APPLICATIONS:

- Wet wells, ponds, rivers and tank level measurements
- Water treatment
- Ground water monitoring
- Dredging levels
- Shipboard level control

FIELD OPTIONS:

- Slim 0.69" (1.74 cm) diameter (Model BR313S)
- Titanium construction (Model BR313L-NI)
- Additional Hytrel and Tefzel® jacketed cable lengths
- Tapered inlet with stand-off plate for wastewater
- Remote zero and span adjustments



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Order from: C A Briggs Company; 622 Mary Street; Suite 101 - Warminster, PA 18974 Phone: 267-673-8117 - Fax: 267-673-8118; E-Mail: Sales@cabriggs.com - www.cabriggs.com

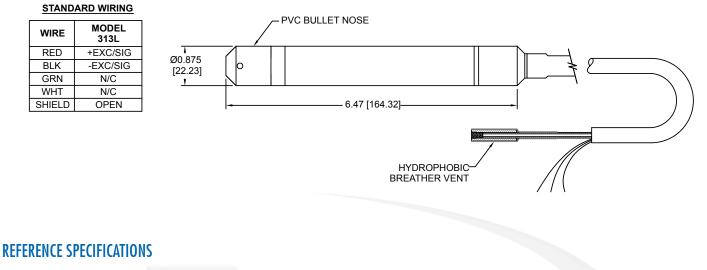


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DIMENSIONAL DRAWING

All dimensions are in inches (mm)



ELECTRICAL	MECHANICAL
• Excitation Voltage: 9 to 36 Vdc	• Zero Balance and FSO: ±1.0% FSO @ +70 °F
• Output Signal: 4-20 mA	Process Connection: PVC bullet nose
• Circuit Protection: Short circuit or reversed wired – Indefinite	• External Pressure: Rated to 900 FTWC (274 meters) max.
• Load Resistance: 1400 Ω max. at 40 Vdc excitation	Proof Pressure: 2X FSO
• Response Time : ≤5 ms to 90%	Burst Pressure: 4X FSO
 Connection: Hytrel jacketed, 4-conductor, 18 AWG with vent tube and hydrophobic filter, 8' long, other lengths 	• Approximate Weight: 10 oz (0.3 kg) nominal, options may increase weight
available.	• Diameter: 0.875" (2.22 cm)
MATERIALS OF CONSTRUCTION	PRESSURE RANGES
 Housing: 316L stainless steel, optional titanium Pressure Cavity: 316L stainless steel 	• 0-20" WC thru 0 to 300 PSI (0-50 MBAR thru 0-21 BAR)
STATIC ACCURACY (RSS) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)	THERMAL SPECIFICATIONS
Standard : ±0.5% FSO, ±0.2% FSO, and ±0.1% FSO	• Compensated: 0 °F to +140 °F (-32 °C to +60 °C)
	• Operating: -40 °F to +185 °F (-40 °C to +85 °C)
	• Storage: -40 °F to +195 °F (-40 °C to +90.6 °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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