

PVC SUBMERSIBLE LEVEL TRANSMITTER

MODEL BR313G

FEATURES:

- 1.25" (3.175 cm) diameter poly vinyl chloride housing
- Available with bullet nose or flush ceramic diaphragm
- 0 to 2 PSI thru 0 to 300 PSI (5 FTWC thru 692 FTWC)
- Corrosion resistant, leak-proof construction
- 4-20 mA output

APPLICATIONS:

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

PRODUCT OVERVIEW:

Model BR313G utilizes a flush ceramic sensor to reduce grease and bio-solid buildup and minimize cleanup. The chemical resistant PVC provides stability and continued performance under the harsh conditions associated with waste water and other aggressive media applications.

FIELD OPTIONS:

- Additional lengths, Tefzel® or Hytrel jacketed cable
- 0-5Vdc output
- SAE-4, flush ceramic, or bullet nose process connection
- ATEX/IEC Intrinsically Safe: II 1 G Ex ia IIC T5 Ga
- ATEX Zone 2: II 3 G Ex nA/ic IIC T5 Gc



© 2016 Blue Ribbon Corp. | 2770 Long Rd, Grand Island, NY 14072 USA

Toll Free: +1.877.774.4751 Tel: +1.716.773.9300 Fax: +1.716.773.5019 Email: BRsales@blueribboncorp.com Web: www.blueribboncorp.com



Model BR313G PVC Submersible Level Transmitter

PVC SUBMERSIBLE LEVEL TRANSMITTER

DIMENSIONAL DRAWING

WIRE

RED

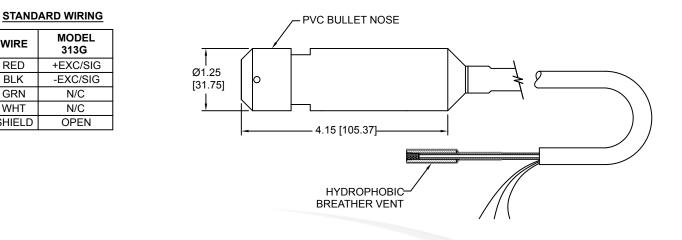
BLK

GRN

WHT

SHIELD

All dimensions are in inches (mm)



REFERENCE SPECIFICATIONS

ELECTRICAL	MECHANICAL
• Supply Voltage: 9 to 36 Vdc	• Zero Balance and FSO: ±1.0% FSO @ +70 °F
Output Signal: 4-20 mA output	• Process Connection: Flush ceramic, options available
• Circuit Protection: Short circuit or reversed wired – Indefinite	• External Pressure: Rated to 500 PSI (1,153 ft WC) 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: Molded Hytrel jacketed, 6-conductor with breather tube, 24 AWG, 8' long, optional lengths available,	• Approximate Weight: 10 oz (0.3 kg) nominal, options may increase weight
Tefzel® jacketed cable optional	• Diameter: 1.25" (3.175 cm)
MATERIALS OF CONSTRUCTION	PRESSURE RANGES
 Housing: Poly vinyl chloride Wetted Material: Ceramic Al2O3 96% 	• 0-2psi thru 300 psi (7FTWC- 692 FTWC)
STATIC ACCURACY (RSS) (Hysteresis, Non-Linearity & Repeatability @ +70 °F)	THERMAL SPECIFICATIONS
	• Compensated: 32 °F to +140 °F (0 °C to +60 °C)
Standard: ±0.5% FSO, ±0.2% FSO, and ±0.1% FSO	J ● Operating: 32 °F to +170 °F (0 °C to +76 °C)
	• Storage: -40 °F to +150 °F (-40 °C to +65.5 °C)
	• Effect on Zero/Span: <±2.0% FSO/100 °F at full scale

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.



© 2016 Blue Ribbon Corp. | 2770 Long Rd, Grand Island, NY 14072 USA

Toll Free: +1.877.774.4751 Tel: +1.716.773.9300 Fax: +1.716.773.5019

Email: BRsales@blueribboncorp.com

Web: www.blueribboncorp.com