



SERIAL / DIGITAL INTERFACE SUBMERSIBLE LEVEL TRANSMITTER



Model BR913
Serial/Digital Interface Submersible
Level Transmitter

MODEL BR913

PRODUCT OVERVIEW:

Model BR913 from Blue Ribbon Corporation is a high-accuracy submersible level transmitter. It features an asynchronous serial communication output (SDI12-v 1.3), typically used to monitor environmental data. This also allows for communication with compatible data loggers or data acquisition systems. The incorporation of a hydrophobic breather vent ensures extended trouble-free service within demanding applications. These features, combined with the low power requirements of the Model 913, make it particularly ideal for remote well monitoring applications.

FEATURES:

- SDI-12 Interface
- 0-30" WC to 0-700 FTWC (762 mm to 213.4 meters WC)
- Welded, leak-proof, 316L stainless steel construction
- Optional 0.685" diameter
- Up to $\pm 0.05\%$ FSO accuracy
- Optional Tefzel® jacketed cable

APPLICATIONS:

- Remote well monitoring including wet wells, ponds, and riverbeds
- Ground water monitoring
- Tank level measurements
- Water treatment
- Irrigation Systems

FIELD OPTIONS:

- Available in 0.875 or 0.685" (2.2 or 1.7 cm) diameter
- Hytrel or Tefzel® jacketed cable
- Titanium construction
- Temperature output

BR5SL-TX-006
REV-A

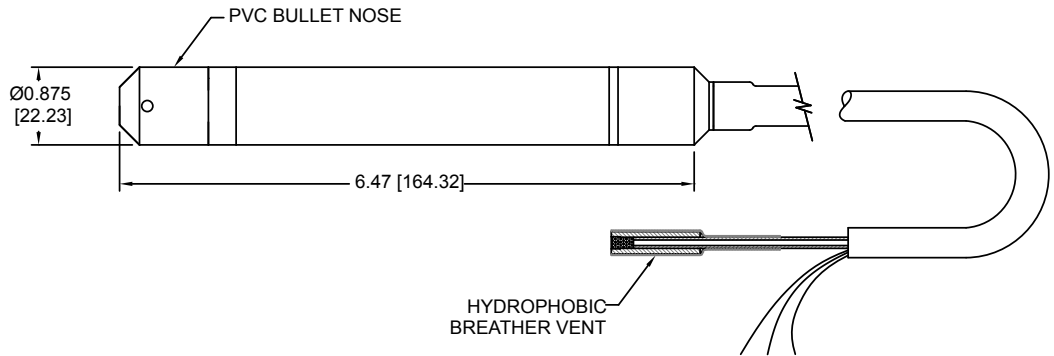
SERIAL/DIGITAL INTERFACE SUBMERSIBLE LEVEL TRANSMITTER

DIMENSIONAL DRAWING

All dimensions are in inches (mm)

STANDARD WIRING

WIRE	MODEL 913
RED	+EXC
BLK	-EXC
GRN	SDI-12 DATA
WHT	N/C
SHIELD	OPEN



REFERENCE SPECIFICATIONS

ELECTRICAL	MECHANICAL
<ul style="list-style-type: none"> • Supply Voltage: 6.0 to 36 Vdc • Output Signal: SDI-12- standard version 1.3 • Input Impedance: >10 MΩ • Resolution: 24-bit • Baud Rate: 1200 baud • Circuit Protection: Short circuit or reversed wired – Indefinite Input protection and EMC filtering • Response Time: 1 sec. • Idle Current: <50 μA, <15 mA consumption during measurement • Connection: Hytel jacketed, 4 conductor, 18 AWG with vent tube and hydrophobic filter, 8' long, optional lengths available 	<ul style="list-style-type: none"> • Process connection: PVC bullet nose • External Pressure: Case rated to 900 FTWC (275 Meters WC) • Proof Pressure: 2X FSO • Burst Pressure: 3X FSO • Weight: <10 oz, 284 g • Diameter: 0.875" (2.2 cm) standard; 0.685" (1.7 cm) optional
STATIC ACCURACY (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F) <ul style="list-style-type: none"> • Standard: ±0.5% FSO • Improved: ±0.20% FSO, ±0.1% FSO, ±0.05% FSO • Zero Balance and FSO: ±1.0% FS 	PRESSURE RANGES <ul style="list-style-type: none"> • 0-30" WC to 0-700 feet WC (762 mm to 213.4 meters WC)
MATERIALS OF CONSTRUCTION <ul style="list-style-type: none"> • Wetted Parts: 316L SST, Hytel, PVC • Housing: 316L SST (Optional Titanium) • Pressure Cavity: 316L stainless steel (Optional Titanium) • Internal Fill: Silicone 	THERMAL SPECIFICATIONS <ul style="list-style-type: none"> • Compensated: 0 °F to +140 °F (-7 °C to +60 °C) • Operating Temperature: -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 • Temperature Resolution: ±0.1 °C

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.

