

# SUBMERSIBLE LEVEL TRANSMITTER WITH SLUDGE SCREEN



Model BR1103-Y481 Submersible Level Transmitter with Sludge Screen

# **MODEL BR1103-Y481**

#### FEATURES:

- Removable PVC sludge screen
- Enhanced internal surge and lightning protection
- Low cost, high reliability
- Submersible to 700 FT WC (213.4 meters WC)
- 1" diameter
- Up to  $\pm 0.2$  % FSO accuracy
- Optional Tefzel® jacketed cable
- All 316L stainless steel construction

#### **APPLICATIONS:**

- Wet wells, ponds, rivers and tank level
- Water treatment
- Ground water monitoring
- Irrigation

## PRODUCT OVERVIEW:

The GP:50 Model 1103-Y481 for Blue Ribbon Corp. is a submersible level transmitter, providing high-accuracy level measurements at a competitive price point. Its durable design features a corrosionresistant all 316L stainless steel housing and pressure cavity. The removable PVC sludge screen allows for easy periodic maintenance and cleaning.

### FIELD OPTIONS:

- Cable lengths to more than 3,000 ft with optional Tefzel® jacketed cable
- Lifetime surge protection warranty



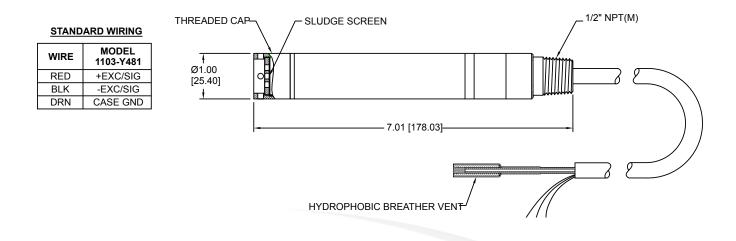
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## SUBMERSIBLE LEVEL TRANSMITTER

#### **DIMENSIONAL DRAWING**

All dimensions are in inches (mm)



#### **REFERENCE SPECIFICATIONS**

ELECTRICAL	MECHANICAL
• Supply Voltage: 9 to 36 Vdc	Process Connection: Removal PVC sludge screen
• Output Signal: 4-20 mA	Proof Pressure: 1.5X FSO
Circuit Protection: Lightning and surge protection optional	Burst Pressure: 3X FSO
• Response Time: <5 ms	• Weight: <12 oz (340 g)
Connection: 1/2" NPT (M) conduit with 8.5' of 18 AWG, 4	• Diameter: 1" (25.4 mm)
conductor, shielded, Hytrel jacketed cable with integral vent tube and hydrophobic filter	PRESSURE RANGES
STATIC ACCURACY (RSS) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)	<ul> <li>0 to 5 PSI thru 0 to 300 PSI (344 mBAR thru 21 BAR)</li> <li>0 to 12 FTWC thru 0 to 700 FTWC (762 mm thru 213 m WC)</li> </ul>
Standard: ±0.5% FSO	THERMAL SPECIFICATIONS         • 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
Improved: ±0.2% FSO	
Zero & Span Balance: ±2.0% FSO	
MATERIALS OF CONSTRUCTION	
Housing and Pressure Cavity:	
316 stainless steel (Optional Titanium)	
Cable: Hytrel (Optional Tefzel®)	

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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