

## SUBMERSIBLE LEVEL TRANSMITTER FOR HAZARDOUS LOCATIONS



Model 313Al Submersible Level Transmitter for Hazardous Locations

**Current Approvals:** 



Pending Approvals:



# MODEL 313AI

#### FEATURES:

- ATEX & IEC approvals
- Submersible to 700 FTWC (213.4 meters WC)
- 1" diameter
- FM & CSA approvals pending
- All 316L stainless steel construction
- Lightning suppression standard

### **APPLICATIONS:**

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

## **PRODUCT OVERVIEW:**

The GP:50 Model 313Al for Blue Ribbon Corp. is an ATEX intrinsically safe submersible level transmitter, providing high-accuracy level measurements for hazardous locations. The corrosion-resistant 316L stainless steel construction, integrated lightning suppression and hydrophobic breather vent help provide years of maintenance-free service.

#### **APPROVALS:**

#### **Currently Available:**

- ATEX/IEC Intrinsically Safe: II 1 G Ex ia IIC T5 Ga Pending:
  - ATEX/IEC Zone 2: II 3 G Ex nA/ic IIC T5 Gc
  - FM, CSA Intrinsically Safe: Class I, Division 1, Groups A-G, T5, Ex ai IIC T5
  - FM/CSA: Division/ Zone 2: Class I Division 2, Groups A-G, T5, Ex nC/nA/nL T5

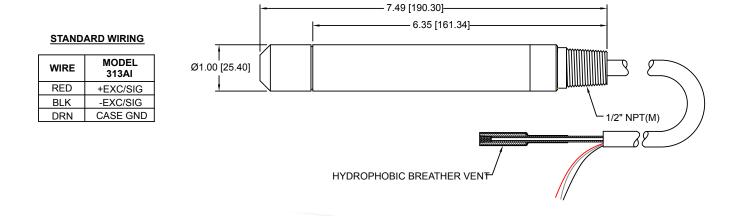


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#### **DIMENSIONAL DRAWING**

All dimensions are in inches (mm)



#### **REFERENCE SPECIFICATIONS**

ELECTRICAL	MECHANICAL
• Supply Voltage: 9 to 36 Vdc	• Process Connection:7/16-20 (M) with PVC bullet nose
• 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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