

SUBMERSIBLE LEVEL TRANSMITTER

MODEL 1103-Y481



Model 1103-Y481
Submersible Level Transmitter

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 ± 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 corrosion-resistant all 316L stainless steel housing and pressure cavity. The removable PVC sludge screen allows for easy periodic maintenance and cleaning.

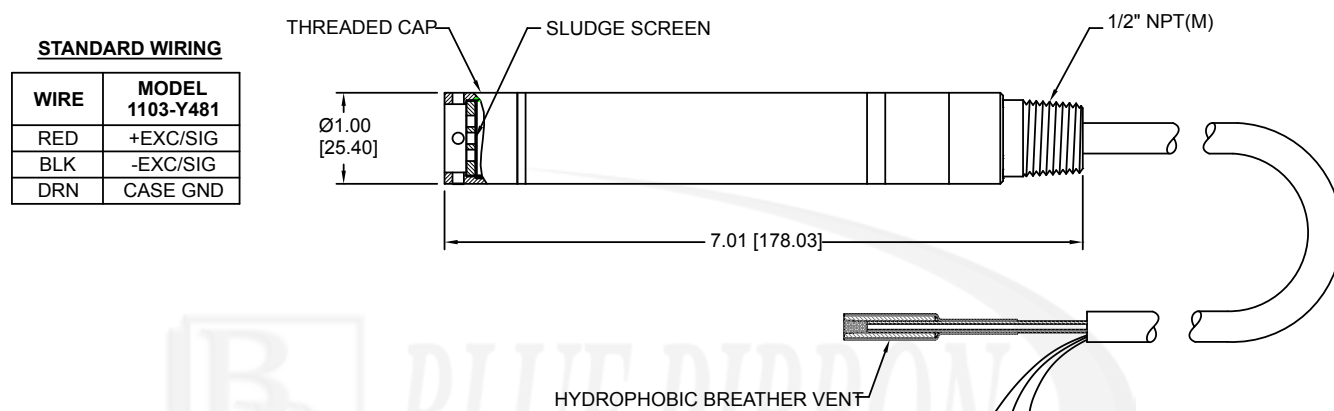
FIELD OPTIONS:

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

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DIMENSIONAL DRAWING

All dimensions are in inches (mm)



REFERENCE SPECIFICATIONS

ELECTRICAL	MECHANICAL
<ul style="list-style-type: none"> • Supply Voltage: 9 to 36 Vdc • Output Signal: 4-20 mA • Circuit Protection: Lightning and surge protection optional • Response Time: <5 ms • Connection: 1/2" NPT (M) conduit with 8.5' of 18 AWG, 4 conductor, shielded, Hytel jacketed cable with integral vent tube and hydrophobic filter 	<ul style="list-style-type: none"> • Process Connection: Removal PVC sludge screen • Proof Pressure: 1.5X FSO • Burst Pressure: 3X FSO • Weight: <12 oz (340 g) • Diameter: 1" (25.4 mm)
STATIC ACCURACY (RSS) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F) Standard: ±0.5% FSO Improved: ±0.2% FSO Zero & Span Balance: ±2.0% FSO	PRESSURE RANGES <ul style="list-style-type: none"> • 0 to 5 PSI thru 0 to 300 PSI (344 mBAR thru 21 BAR) • 0 to 12 FTWC thru 0 to 700 FTWC (762 mm thru 213 m WC)
MATERIALS OF CONSTRUCTION <ul style="list-style-type: none"> • Housing and Pressure Cavity: 316 stainless steel (Optional Titanium) • Cable: Hytel (Optional Tefzel) 	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

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.

