



# BLUE RIBBON CORP.

## SUBMERSIBLE LEVEL TRANSMITTER

Model BR1103-Y481

### APPLICATIONS:

- Level & Depth
- Water & Waste Water Treatment
- Irrigation
- Groundwater Testing

**OPTIONAL LIFE-TIME SURGE WARRANTY**

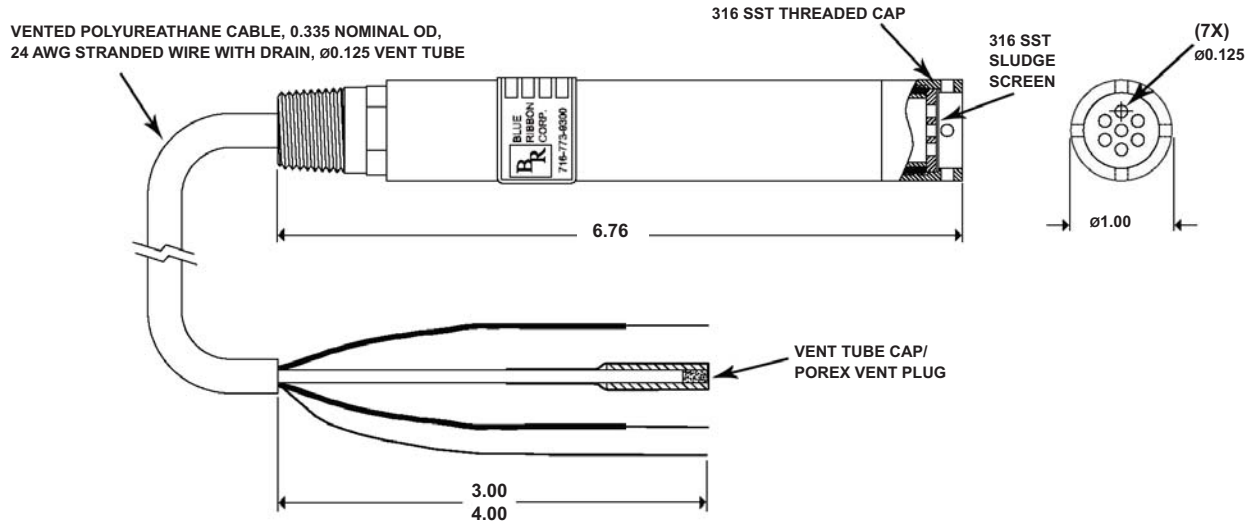


### FEATURES:

- Enhanced Internal Surge & Lightning Protection
- High Accuracy, High Reliability
- 0.5% FSO standard accuracy, 0.25% typical
- Small Size - 1" diameter, Lightweight
- Rugged, all welded construction
- 1/2" NPT Conduit Thread Standard
- Operating Temperature 0°F to +180°F
- 40 Ft. of Polyurethane jacket with breather tube.
- Removable Sludge Screen

### PRESSURE RANGES:

- 0-3 PSI to 0-500 PSI (See ordering guide)



### WIRING CODE

	1103
RED	+ EXC./SIGNAL
BLACK	- EXC./SIGNAL
DRN	CASE GROUND

To avoid ground loops, earth ground the shield wire or the transducer/transmitter case, but not both.

Blue Ribbon reserves the right to make product improvements and amendments to the product specifications stated throughout this brochure without prior notification. Please contact the factory on all critical dimensions and specifications for verification.

A5BR-1103Y481.00



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Standard Specifications listed below.  
Consult factory for further options, which may change the overall dimensions.

<b>Accuracy</b>	<b>(Non-linearity, hysteresis, non-repeatability)</b> 0.5% (BFSL)
<b>Pressure Ranges</b>	<b>Model 1103</b> 0-3 PSI to 0-500 PSI
<b>Pressure Cavity Material</b>	316 Stainless Steel
<b>Resolution</b>	Infinite (Practical = 0.06% FSO)
<b>Temperature Limits</b>	
Compensated	0°F to 180°F
Operating	-40°F to 180°F
Storage	-40°F to 250°F
<b>Temperature Compensation</b>	
Zero	±2.0% FSO/100°F
Span	±2.0% FSO/100°F
<b>Electrical</b>	<b>(Model 1103)</b>
Excitation	9.0 - 36 Vdc
Output at 70°F	4-20 mA ±2% FSO
<b>Standard Connections</b>	
Pressure	Sludge Screen
Electrical Cable	Molded polyurethane jacket, Multi-conductor with breather tube
<b>Mechanicals</b>	
Response Time	5 ms
Proof Pressure	1.5 X Full Scale Output
Burst Pressure	3 X Full Scale Output

## MODELS

BR1103 4-20 mA

## PRESSURE RANGE (PSI)

PG 0-3  
 PJ 0-5  
 PN 0-10  
 PP 0-15  
 PT 0-30  
 PV 0-50  
 PX 0-75  
 PZ 0-100  
 RB 0-150  
 RD 0-200  
 RE 0-250

## ORDERING GUIDE:

MODEL	PRESSURE RANGE	CABLE LENGTH
•	•	•

Example: BR1103PN040-Y481

## CABLE LENGTH (IN FEET)

### EXAMPLE:

040 = 40 FT Long (Standard)

060 = 60 FT Long

125 = 125 FT Long

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