



# BLUE RIBBON CORP.

## 2-3 Day Express

### Models BR211, BR311, 311Z \*\*

Blue Ribbon Corp. is proud to offer the following transducers in 3 days or less ARO with the most standard options available.

Models BR211 (0-5 Vdc), BR311 (4-20mA) and the 311Z (Intrinsically Safe 4-20mA) are available in any of the pressure ranges shown below. Our special options allow flexibility with quick availability to fit your application needs.

#### APPLICATIONS:

- Pumps & Compressors
- Irrigation Systems
- Hydraulic Control
- Machine Control
- General Industrial

#### FEATURES:

- Shipment in 3 Days or Less ARO at No Additional Charge
- Rugged, All Welded Stainless Steel Construction
- 0-5 VDC, 4-20 mA and Intrinsically Safe 4-20mA
- \*\* FM/CSA Approval Available Upon Request

#### PRESSURE RANGES:

- 0-20 In.WC to 0-15,000 PSI  
(see ordering guide.)

#### ACCURACY:

- From 0.5% FSO or 0.2% FSO  
(see specifications & ordering guide.)



Model 311Z Only



#### WIRING CODE

PIN/WIRE	211	311	311Z**
A/1 RED	+ EXCITATION	+ EXCITATION/SIGNAL	+ EXCITATION/SIGNAL
B/2 GREEN	+ SIGNAL	N/C	N/C
C/3 WHITE	N/C	N/C	- EXCITATION/SIGNAL
D/4 BLACK	- EXCITATION/SIGNAL	- EXCITATION/SIGNAL	N/C
E/5 BLUE	N/C	N/C	+ SHUNT (OPTION)
F/6 BROWN	N/C	N/C	- SHUNT (OPTION)
SHIELD	OPEN	OPEN	CASE GROUND

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-QS11.00

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Standard Specifications listed below.

Consult factory for further options, which may change the overall dimensions.

<b>Output (at 70°F)</b>	<b>Model 211</b> 0-5 VDC 9.0 – 40 VDC Excitation	<b>Model 311, 311Z</b> 4-20mA 9.0 – 36 VDC Excitation	
<b>Accuracy</b>	<b>Option B</b> ±0.5% FSO	<b>Option C</b> ±0.2% FSO	
<b>Pressure Ranges</b>	<b>Model 211, 311, 311Z</b> 0-20 In.WC to 0-15,000 PSI		
<b>Pressure Types</b>	<b>Model 211, 311, 311Z</b> 2 Gauge 4 Vacuum 7 Sealed Gauge 8 Elevated 10 Compound (vacuum to gauge)		
<b>Zero Balance (at 70°F)</b>	<b>Model 211</b> 0.0 mV/V ±2% FSO (@10 VDC)	<b>Model 311</b> 4 mA ±2% FSO (@24 VDC)	
<b>Temperature Limits</b>	<b>Compensated</b> 0°F to +180°F	<b>Operating</b> -40°F to +190°F	<b>Storage</b> -65°F to +250°F
<b>Temperature Compensation (Standard)</b>	<b>Zero / Span</b> Less than ±2% FSO/100°F at FSPR and/or URL		
<b>Electricals</b>	<b>Model 211: Input Current</b> 8mA Nominal	<b>Model 211: Output Current</b> 2.0mA maximum for less than 0.1% FSO attenuation	<b>Model 311: Load Impedance</b> 1350 ohms maximum at 36 VDC 750 ohms maximum at 24 VDC
<b>Insulation Resistance</b>	> 10 megohms @ 50 VDC & @ 70°F		
<b>Standard Connections</b>	<b>Process Connection</b> 1/4" NPT (F)	<b>Electrical Connection</b> 36" long Belden 8723, 24AWG, 4 conductor cable (or	
<b>Mechanicals</b>	<b>Proof Pressure</b> 2X FSPR (or URL) or 22,500 PSI whichever is less	<b>Burst Pressure (Gauge/SG/Absolute)</b> 5X FSPR (or URL) or 23,000 PSI whichever is less	<b>Vacuum</b> 5X FSPR in gauge
<b>Pressure Response</b>	≤ 5 ms to 90%		
<b>Weight</b>	10 oz. Nominal, adding options may increase weight		
<b>Wetted Material</b>	316 and 15-5 PH Stainless Steel		
<b>Enclosure Material</b>	316 Stainless Steel		
<b>Mounting</b>	Pressure Port		

## MODEL

**BR211** 0-5 Vdc  
**BR311** 4-20 mA  
**311Z** 4-20 mA,  
 Intrinsically Safe

## ACCURACY

**B** 0.5% FSO  
**C** 0.2% FSO

## PRESSURE RANGE(PSI)

<b>PJ</b> 5	<b>RE</b> 250
<b>PL</b> 7.5	<b>RF</b> 300
<b>PN</b> 10	<b>RH</b> 500
<b>PP</b> 15	<b>RJ</b> 600
<b>PQ</b> 3-15	<b>RK</b> 750
<b>PR</b> 20	<b>RM</b> 1,000
<b>PS</b> 3-27	<b>RO</b> 1,500
<b>PO</b> 25	<b>RR</b> 2,000
<b>PT</b> 30	<b>RS</b> 2,500
<b>PV</b> 50	<b>RT</b> 3,000
<b>PX</b> 75	<b>RV</b> 5,000
<b>PZ</b> 100	<b>RX</b> 7,500
<b>RB</b> 150	<b>RZ</b> 10,000
<b>RD</b> 200	<b>SB</b> 15,000
	<b>SZ</b> (0-5 To 0-15,000) Non-Standard Range

## ORDERING GUIDE:

MODEL	ACCURACY	PRESSURE RANGE	PRESSURE TYPES	OPTIONS
•	•	•	•	•/•/•

## PRESSURE TYPES

**2** Gauge (0-299 PSI)  
**4** Vacuum  
**7** Gauge (Non-Hermetic Seal / 300 PSI)  
**8** Elevated  
**10** Compound (vacuum to gauge)

## OPTIONS

**AA** No options chosen  
**CA** Bendix 6-Pin connector (PTIH-10-6P), or equivalent (Mate: not inc.)  
**CF** 1/2" NPT (M) thread with 36" potted leads  
**CH** NEMA-4X Rating with 8' vented cable (299 PSI & below)  
**CJ** DIN 43650 (Hirshmann, w/mate) NEMA-4X (IP65)  
**CL** 1/2" NPT (M) with 36" vented cable (299 PSI & below)  
**CO** Terminal block w/Junction box  
**GJ** Add Zero & Span Controls (Approx. ±20% FSO Adjustment)  
**HK** NEMA-4X Rating w/36" wire lead (300 PSI & above)

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