



BLUE RIBBON Sales & Services Corp.

OEM PRESSURE TRANSDUCER

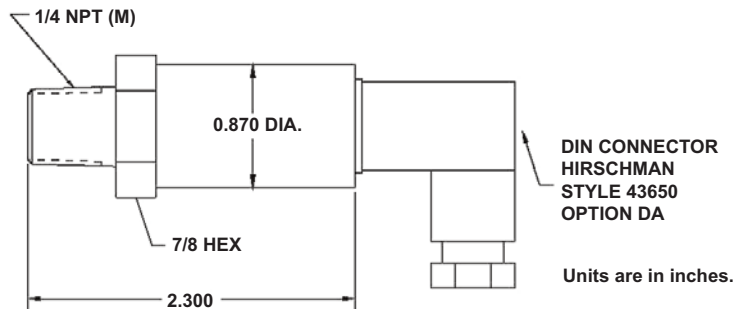
Models BR1002, BR1003

APPLICATIONS:

- Industrial OEM
- Hydraulic Systems
- Compressor Controls
- Pneumatic Controls
- Pump Controls
- Automotive

FEATURES:

- Low cost, high reliability
- Small size, lightweight
- Rugged, welded stainless steel construction
- NEMA-4X/IP65 rated connector
- 0-5 VDC, 4-20 mA
- $\pm 0.5\%$ FSO Standard ($\pm 0.25\%$ FSO optional)



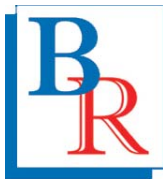
WIRING CODE

PIN/WIRE	1002	1003
A/1 RED	+ EXCITATION	+ EXCITATION/SIGNAL
B/2 BLACK	- EXCITATION	- EXCITATION/SIGNAL
C/3 GREEN	+ SIGNAL	N/C
D/4 SHIELD	OPEN	OPEN

To avoid ground loops, earth ground the shield wire or the transducer 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-1000.00



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Standard Specifications listed below.

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

Output (at 70°F)	Model BR1002 0-5 VDC	Model BR1003 4-20mA	
Accuracy	Includes Non-linearity, Hysteresis, Repeatability and Resolution B ± 0.5% FSO C ± 0.25% FSO Infinite (Practical=0.06% FSO)		
Pressure Ranges	0-15 PSI thru 0-10,000 PSI		
Pressure Types	2 Gauge 3 Absolute 4 Vacuum	7 Sealed Gauge 10 Compound	
Zero Balance (at 70°F)	± 2% FSO		
Span Tolerance	± 2% FSO		
Temperature Limits	Compensated -40°F to +210°F	Operating -40°F to +220°F	Storage -40°F to +250°F
Temperature Compensation	Zero / Span (Standard) ±2.0% FSO		
Electricals	Excitation 12 – 32 VDC		
Insulation Resistance	10 megohms at 50 VDC pin to case		
Standard Connections	Process Connection 1/4" NPT (M) (additional connections available upon request)	Electrical Connection 36" Long Belden 8723, 24AWG, 4 conductor cable (or equivalent)	
Connector	NEMA 4X, IP65		
Mechanicals	Proof Pressure 1.5X FSPR	Burst Pressure 3X FSPR	
Pressure Response	<1 ms (10% to 90%)		
Performance Ratings	Shock 1m (free-fall onto steel plate) per IEC 68-2-32	Vibration 20g per IEC 68-2-6 and 68-2-36	
Total Error * -40°F to -4°F -4°F to +185°F +185°F to +212°F	Includes Non-linearity, Hysteresis, Repeatability and Temperature 3.0% (typ. 2.0%) 1.0% (typ. 0.7%) 2.5% (typ. 1.5%)		
Wetted Material	316 Stainless Steel and Nylon		
Enclosure Material	316, 15-5 PH or 17-4 Stainless Steel		
Mounting	Pressure Port		

MODEL

1002 0-5 Vdc - .5-4.5 Available

1003 4-20 mA

ACCURACY

B 0.5% FSO

C 0.25% FSO

PRESSURE RANGE (PSI)

PP 0-15

RF 0-300

RS 0-2500

PT 0-30

RH 0-500

RT 0-3000

PV 0-50

PJ 0-5

RV 0-5000

PX 0-75

PN 0-10

RX 0-7500

PZ 0-100

RK 0-750

RZ 0-10,000

RB 0-150

RM 0-1000

RD 0-200

RO 0-1500

RE 0-250

RR 0-2000

PRESSURE TYPES

2 Gauge

7 Sealed Gauge

3 Absolute

10 Compound

4 Vacuum

ORDERING GUIDE: (Minimum of 10 pcs per order)

MODEL	ACCURACY	PRESSURE RANGE	PRESSURE TYPES	OPTIONS
•	+	•	+	••

CONNECTOR

AA 36" Wire, NEMA 4

DA DIN style, 43650, w/mate

DC Turck M12

CZ Alternate Connector/Cable

ALTERNATE PRESSURE PORT

AA 1/4" NPT (M)

FL 1/8" NPT (M)

LT SAE 4 Male

GENERAL

GS 0-10 Vdc FSO

GZ Alternate Output, Customer Special

477 Commerce Way, Suite 109, Longwood, FL 32750

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