

# GENERAL PURPOSE / OEM PRESSURE TRANSDUCER

## Models 1002, 1003

### TARGET APPLICATIONS:

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

### FEATURES:

- Low cost, high reliability
- 0.5% FSO standard accuracy, 0.25% FSO typical
- Small size, lightweight
- Rugged, all-welded construction
- NEMA-4X/IP65 rated

### PRESSURE RANGES:

- From 0 - 5 through 0 - 10,000 psi  
(See ordering guide)



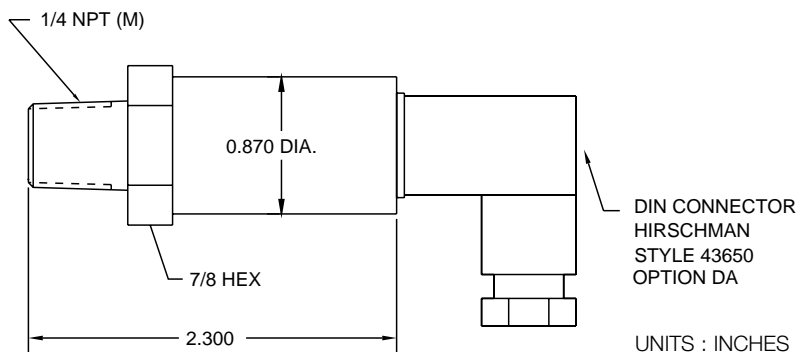
GENERAL PURPOSE

### WIRING CODE:

Pin / Wire	1002	1003
A/1 Red	+ Excit.	+ Excit./Signal
B/2 Black	- Excit.	- Excit./Signal
C/3 Green	+ Signal	NC
D/4 Shield	Open	Open

Wiring code may vary depending on options.

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



# SPECIFICATIONS

Unless otherwise stated, these specifications are the standards to which the units are normally constructed. Alterations may be easily and readily accomplished by the standard modification code or by discussion with the factory. We invite your inquiry.

Accuracy	(Non-linearity, Hysteresis, Non-repeatability)	0.5% (BFSL)
	Resolution	Infinite (Practical = 0.06% FSO)
Temperature Limits	Compensated	0°F to 180°F
	Operating	-40°F to 180°F
	Storage	-40°F to 250°F
Temperature Compensation	Zero	±2.0% FSO/100°F
	Span	±2.0% FSO/100°F
Electrical	Approvals	CE EN 50 081 - 1
	Excitation	9-36 Vdc
	Zero Balance	±2.0% FSO
	Span Tolerance	±2.0% FSO
	Insulation	10 M Ohms @ 50 Vdc pin to case
Mechanicals	Response Time	5 ms
	Proof Pressure	1.5X pressure range
	Burst Pressure	3X pressure range or 17,500 psig
	Pressure Cavity Material	316 stainless steel and 15-5SS
Standard Connections	Pressure	1/4 NPT male (see options)
	Electrical	36" cable
Enclosure	Materials	316 SS and nylon
	Rating	NEMA-4X, IP65
Resistance to shock	According to IEC 68-2-32	1m (free-fall onto steel plate)
Vibration Resistance	According to IEC 68-2-6 and 68-2-36	20g

\* See modifications on ordering guide.

## ORDERING GUIDE

Some options will affect dimensions. Consult factory if important.  
Use the following codes to identify desired item. Example: 1003-RD-2-DA/LT

MODEL	RANGE	TYPE	OPTIONS
•	—	•	—

### MODELS

1002 0-5 Vdc  
1003 4-20 mA

### PRESSURE RANGE

psi

PP	0-15	RK	0-750
PT	0-30	RM	0-1000
PV	0-50	RO	0-1500
PX	0-75	RR	0-2000
PZ	0-100	RS	0-2500
RB	0-150	RT	0-3000
RD	0-200	RV	0-5000
RE	0-250	RX	0-7500
RF	0-300	RZ	0-10,000
RH	0-500		

PJ 0-5 \* Consult Factory  
PN 0-10 \* Consult Factory

### PRESSURE TYPE

2 Gauge  
4 Vacuum  
3 Absolute \* Consult Factory

### OPTIONS

#### ALTERNATE CONNECTOR OR CABLE

AA 36" wire leads  
DA GSSNA300, DIN 43650-C Connector with Mate  
CF 1/2 NPT Male Nylon Conduit with 36" Cable

#### ALTERNATE PRESSURE PORT

AA 1/4 NPT Male  
FL 1/8 NPT Male  
LT SAE - 4 Male

#### GENERAL

GJ Add Zero & Span Controls  
GS 0-10 Vdc FSO  
GZ Alternate Output, Customer Special

GP:50 reserves the right to make product improvements and amendments to the product specification stated throughout this brochure without prior notification. Please contact the factory on all critical dimensions and specifications for verification.