

# GENERAL PURPOSE PRESSURE TRANSDUCER/TRANSMITTERS

Models 1002, 1003



## TARGET APPLICATIONS:

- Industrial OEM
- Hydraulic Systems
- Industrial Engines
- Compressor Controls
- Level
- Pneumatic
- Pump Applications
- Gauge Replacement

## FEATURES:

- Low Cost, High Accuracy, High Reliability
- 0.5% FSO standard accuracy, 0.25% typical
- Small Size - 1" diameter, Lightweight
- Rugged, all welded construction
- NEMA-4X/IP65 rated
- Operating Temperature -40°F to +180°F

## PRESSURE RANGES:

- From 0-15 to 0-10,000 psi  
(See ordering guide)

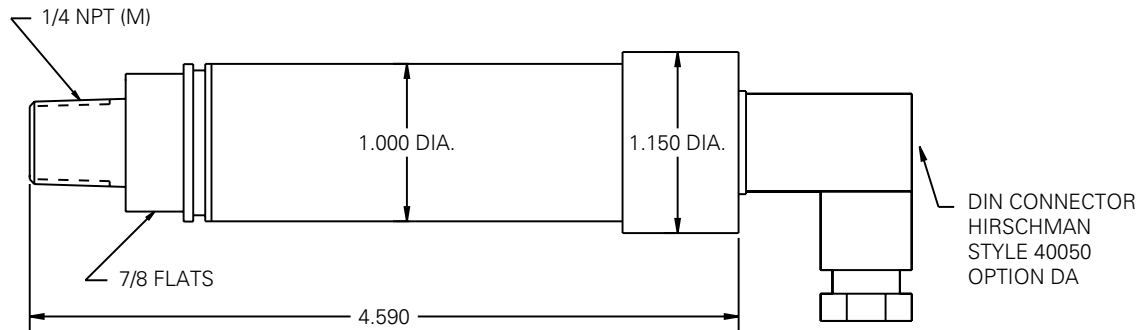
MODEL	OUTPUT @ 70°F	EXITATION
1002	0-5 Vdc $\pm$ 2% FSO	9.0-36 Vdc
1003	4-20 mA $\pm$ 2%FSO	9.0-36 Vdc

# OUTLINE

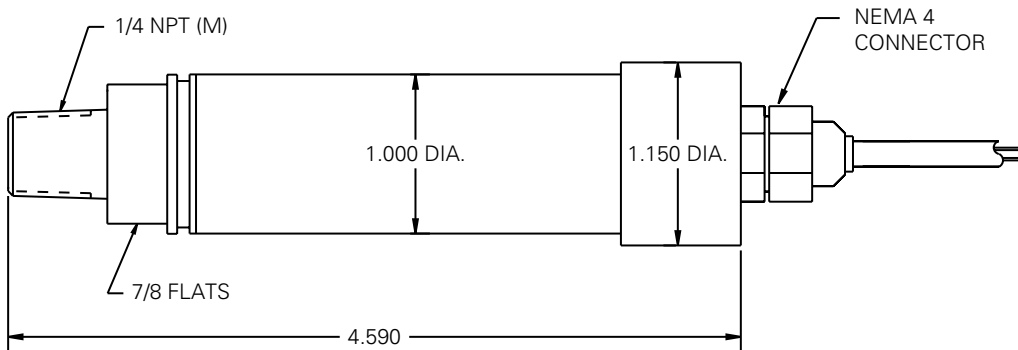


Some options will affect dimensions.  
Consult factory if important.

## Model 1002



## Model 1003



# WIRING CODE

## WIRING CODE

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

To avoid ground loops, Earth Ground the shield wire or the transducer/transmitter 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.

SPECIFICATIONS

Accuracy (Non-linearity, Hysteresis, Non-repeatability)	0.5% (BFSL)
Pressure Cavity Material	316 stainless steel and 15- 5SS
Resolution	Infinite (Practical = 0.06% FSO)
Temperature Limits Compensated Operating Storage	0°F to 180°F -40°F to 180°F -40°F to 250°F
Temperature Compensation Zero Span	±2.0% FSO/100°F ±2.0% FSO/100°F
Mechanicals Response Time Proof Pressure Burst Pressure Weight	5 ms 1.5 X Pressure Range 3 X Pressure Range or 17,500 psig
Standard Connections Pressure Electrical	1/4 NPT Males (See Options) 36" Cable
Enclosure Materials Rating	316 SS and Nylon NEMA 4, IP65
Electrical Approvals Excitation Zero Balance Span Tolerance Insulation	CE EN 50 081 - 1 9 - 36 Vdc ± 2.0% FSO ± 2.0% FSO 10 M Ohms @ 50 Vdc Pin to Case

\* See modifications on ordering guide.

# ORDERING GUIDE

Some options will affect dimensions.  
Consult factory if important.

Use The Following Codes To Identify Desired Item.

MODEL	RANGE	TYPE	CONNECTOR	PORT	OPTIONS	
•	—	•	—	•	—	•

Example Ordering Scheme

## MODELS

1002 - 0-5 Vdc  
1003 - 4-20 mA

## PRESSURE RANGE

psi

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

## PRESSURE TYPE

7 Gauge  
4 Vacuum

## 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

GP:50 New York Ltd. 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.

**INTERTECHNOLOGY**  
1-800-465-1600  
INC.

Tel: 416-445-5500

Fax: 416-445-1170

E-Mail: [sales@intertechnology.ca](mailto:sales@intertechnology.ca)  
Website: [www.intertechnology.com](http://www.intertechnology.com)