

GENERAL PURPOSE / OEM PRESSURE TRANSDUCER

Models 1002,1003

TARGET APPLICATIONS:

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

FEATURES:

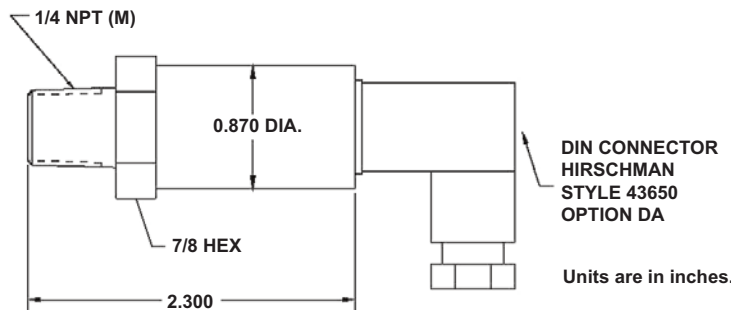
- Low cost, high reliability
- 0.5% FSO standard accuracy, 0.25% FSO typical
- Small size, lightweight
- Rugged, all-welded construction
- NEMA-4X/IP65 rated

PRESSURE RANGES:

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



INDUSTRIAL GRADE



Some options will affect dimensions. Consult factory if important.

WIRING CODE

PIN/WIRE	1002	1003
A/1 RED	+ EXC.	+ EXC./SIGNAL
B/2 BLACK	- EXC.	- EXC./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.

GP:50 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.

A5SL-1000.00



Pressure, Level & Temperature Transmitters & Transducers

Specifications reflect standard product, improved performance/mechanical options available. Modifications may alter specs, consult factory for more information.

Accuracy	(Non-linearity, Hysteresis, Non-repeatability)
Resolution	0.5% (BFSL) 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
Electricals	
Approvals	CE EN 50 081 - 1
Excitation	9-36 Vdc
Zero Balance	±2% FSO
Span Tolerance	±2% FSO
Insulation	10 M Ohms at 50 Vdc pin to case
Current Draw (1002)	3.5 mA Nominal 6mA max
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 & 68-2-36	20g

ORDERING GUIDE:

Some options will affect dimensions. Consult factory if important.
Use the following codes to identify desired item.

MODEL	RANGE	TYPE	OPTIONS
● —	● —	● —	●

Example: 1003-RD-2-DA/LT

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

GS	0-10 Vdc FSO
GZ	Alternate Output, Customer Special