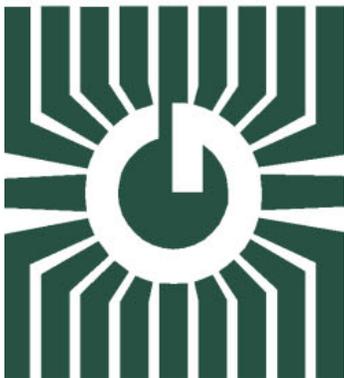


GREYSTONE

ACCURACY BY DESIGN



GAUGE PRESSURE TRANSDUCERS PGS SERIES



PGS100C



PGS100B



PGS100A

FEATURES:

- 1/4" NPT
- NIST traceable calibration
- Weather resistant for harsh environments
- Fast response time
- Capacitance sensing element
- Ranges 0 through 500 PSIG (0 through 3400 kPa)
- Accuracy to $\pm 0.25\%$ FSO
- DC inputs, current output
- Compensated temperature range: -20°C to 80°C (-4°F to 176°F)
- Operating temperature range: -40°C to 127°C (-40°F to 260°F)
- 17-4PH Stainless Steel has excellent corrosion resistance (comparable to grade 304 stainless)

*Peace of mind
through reliable
pressure transducers*

GREYSTONE IS AN ISO 9002 REGISTERED COMPANY

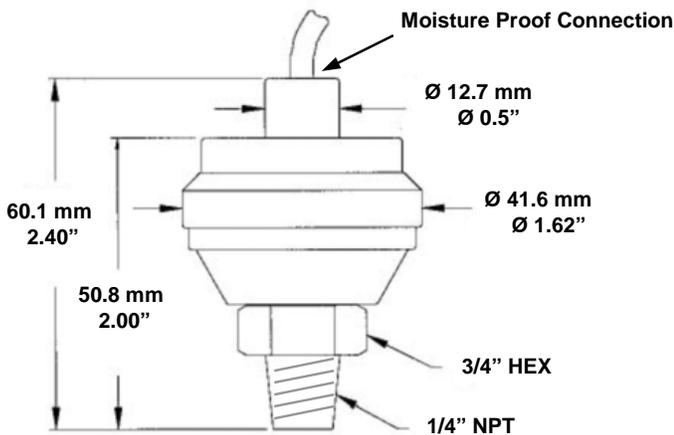
APPLICATIONS:

- HVAC Systems
- Energy Management Systems
- Steam Pressures
- Refrigerants and Ammonia
- Gas Chromatography
- Paint Spraying Systems
- Electronic Pressure Switch
- Heat Pumps
- Hydraulic Systems
- Irrigation Systems
- Compressor Control
- Propane

SPECIFICATIONS:

PGS100 Series	
Accuracy at Constant Temp.	.25% F.S.O
Supply Voltage	Minimum supply voltage (VDC) = $9 + 0.02 \times (\text{Resistance of receiver plus line})$. Maximum supply voltage (VDC) = $30 + 0.004 \times (\text{Resistance of receiver plus line})$.
Output	4 to 20 mA
External Load	0 to 800 ohms
Media Compatibility	17 – 4PH stainless steel
Pressure Port	1/4" - 18 NPT External
Operating Temp. Range (sensor)	-40°C – 127°C (-40°F–260°F)
Compensated Temp. Range	-20°C – 80°C (-4°F – 176°F)
Zero Thermal Shift	<±2% of F.S.
Span Thermal Shift	<±1.5% of F.S.
Pressure Overload	See pressure scale chart

OUTLINE DRAWING:



PRESSURE RANGES:

Code	Full Scale Pressure Range PSI	Proof Pressure PSI	Burst Pressure PSI
9A1A	0-10 PSIG (0-68.95 kPa)	20	500
10A1A	0-25 PSIG (0-172.4 kPa)	50	500
11A1A	0-50 PSIG (0-344.7 kPa)	100	750
12A1A	0-100 PSIG (0-689.5 kPa)	200	1000
13A1A	0-150 PSIG (0-1034.2 kPa)	400	2000
14A1A	0-200 PSIG (0-1379 kPa)	400	2000
15A1A	0-250 PSIG (0-1723.2 kPa)	500	2000
16A1A	0-500 PSIG (0-3447.4 kPa)	1000	3000

ORDER EXAMPLE:

To order a **PGS-100A , 0 – 200 PSIG Range, supply voltage of 24 VDC, output of 4-20mA**, and no termination enclosure the following order number would apply:
PGS100A14A1A

PRODUCT DESCRIPTIONS:

PGS100A is a compact gauge pressure transducer complete with a 2 wire 4-20mA output, various pressure ranges, 1/4" NPT connection and 2 foot cable for electrical termination.

PGS100B is the "A" model complete with a weather proof enclosure, liquid tight strain relief connector and a terminal block for electrical termination.

PGS100C is the "A" model complete with an ABS enclosure for wire terminations. The 2 foot cable from the pressure transducer is connected through a wire bushing on the enclosure and comes with a mounted wire connector for the wire terminations.

MEDIA COMPATIBILITY:

The PGS100 Series transducers are designed to be used with any gases or liquids compatible with 17-4PH stainless steel. The 17-4PH stainless has excellent corrosion resistance. Corrosion tests and service experience have shown that in all aged conditions it is superior to standard hardenable stainless grades such as 420, 431 and 410 stainless. This corrosion resistance is comparable to 304 stainless. Note it is not recommended for hydrogen applications.



Greystone Energy Systems Inc.
150 English Drive, Moncton, NB
Canada E1E 4G7

(506) 853-3057 Fax: (506) 853-6014
e-mail: mail@greystoneenergy.com
www.greystoneenergy.com



Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC sensors and transducers for Building Automation Management Systems. We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9002 certified, assuring our customers of consistent product reliability.

GREYSTONE IS AN ISO 9002 REGISTERED COMPANY