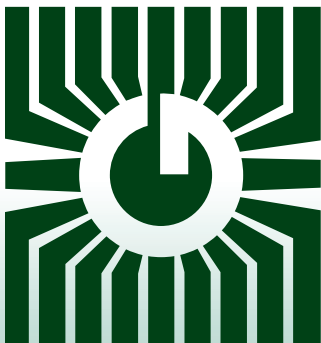


GREYSTONE ENERGY SYSTEMS INC



GAUGE PRESSURE TRANSMITTERS PGS Series



PGS100A

Precision pressure control/sensing

FEATURES:

- 1/4" NPT
- NIST traceable calibration
- Weather resistant for harsh environments
- Fast response time
- Capacitance sensing element
- Ranges -14.7 through 10,000 PSIG (-101.4 through 68947.6 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 85°C (-40°F to 185°F)
- 17-4PH Stainless Steel has excellent corrosion resistance (comparable to grade 304 stainless)

*Peace of mind
through reliable
pressure monitoring*

GREYSTONE HAS AN **ISO 9001** REGISTERED QUALITY SYSTEM

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

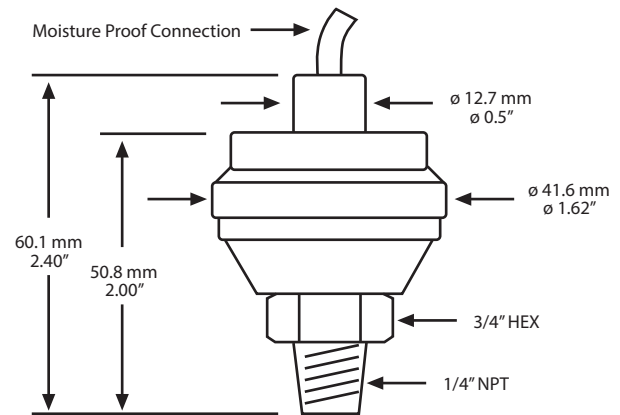
PRODUCT DESCRIPTION:

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

SPECIFICATIONS:

Accuracy at Constant Temp:.....0.25% F.S.O.
 Supply Voltage:.....Minimum supply voltage (VDC) =
 9 + 0.02 x (Resistance of receiver plus line).
 Maximum supply voltage (VDC) =
 30 + 0.004 x (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° - 85°C (-40° - 185°F)
 Compensated Temp. Range:.....-20° to 80°C (-4° to 176°F)
 Zero Thermal Shift:.....<±2% of F.S.
 Span Thermal Shift:.....<±1.5% of F.S.
 Pressure Overload:.....See product ordering chart

OUTLINE DRAWING:



MEDIA COMPATIBILITY:

The PGS100 Series transmitters 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.

PRODUCT ORDERING INFORMATION:

| MODEL | Product Description |
|----------------|---------------------------|
| PGS100A | Gage Pressure Transmitter |

| CODE | Pressure Ranges | Proof Pressure (PSI) | Burst Pressure (PSI) |
|--------------|------------------------------------|----------------------|----------------------|
| 4A1A | -14.7-15 PSIG (-101.4-103.4 kPa) | 20 | 500 |
| 5A1A | -14.7-30 PSIG (-101.4-206.8 kPa) | 50 | 500 |
| 6A1A | -14.7-60 PSIG (-101.4-413.7 kPa) | 100 | 750 |
| 7A1a | -14.7-100 PSIG (-101.4-689.5 kPa) | 200 | 1000 |
| 8A1A | -14.7-150 PSIG (-101.4-1034.2 kPa) | 400 | 2000 |
| 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 | 0-300 PSIG (0-2068.4 kPa) | 500 | 2000 |
| 17A1A | 0-500 PSIG (0-3447.4 kPa) | 1000 | 3000 |
| 18A1A | 0-1000 PSIG (0-6894.8 kPa) | 2000 | 5000 |
| 19A1A | 0-5000 PSIG (0-34473.8 kPa) | 7500 | 10,000 |
| 20A1A | 0-10,000 PSIG (0-68947.6 kPa) | 12,500 | 20,000 |

PGS100 4A1A

Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.



GREYSTONE
ENERGY SYSTEMS INC

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Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters 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 9001 certified, assuring our customers of consistent product reliability.

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