

SUBMITTAL

Gauge Pressure Transducer

PRODUCT SELECTION INFORMATION:

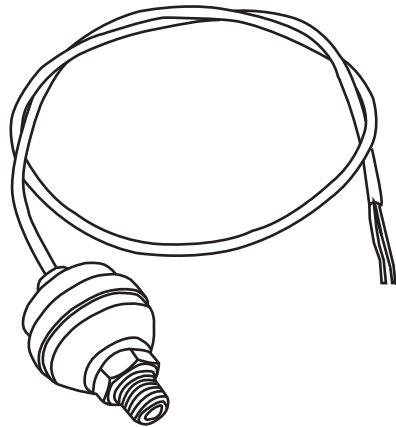
MODEL	Product Description
PGS100A	S/S Gage Pressure Transducer, loop-powered

CODE	Options	Proof Pressure	Burst Pressure
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

PGS100A 12A1A

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

EXAMPLE: Gauge pressure, 0-100 psi, 4-20mA, 24 Vdc



GREYSTONE
ACCURACY BY DESIGN

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Part Number:

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

Accuracy at Constant Temp.	± 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	4-20mA
External Load	0 to 800 phms
Media Compatibility	17-4PH stainless steel
Pressure Port	1/4" - 18 NPT External
Operating Temp Range (sensor)	-40°C - 85°C (-40°F - 185°F)
Compensated Temp Range	-20°C - 80°C (-4°F - 176°F)
Zero Thermal Shift	<±2% of Full Scale
Span Thermal Shift	<±1.5% of Full Scale

The PGS100A Series transducers are designed to be used with any gases or liquids compatible with 17-4PH stainless steel. The 17-4PH stainless steel 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

OUTLINE DRAWING:

