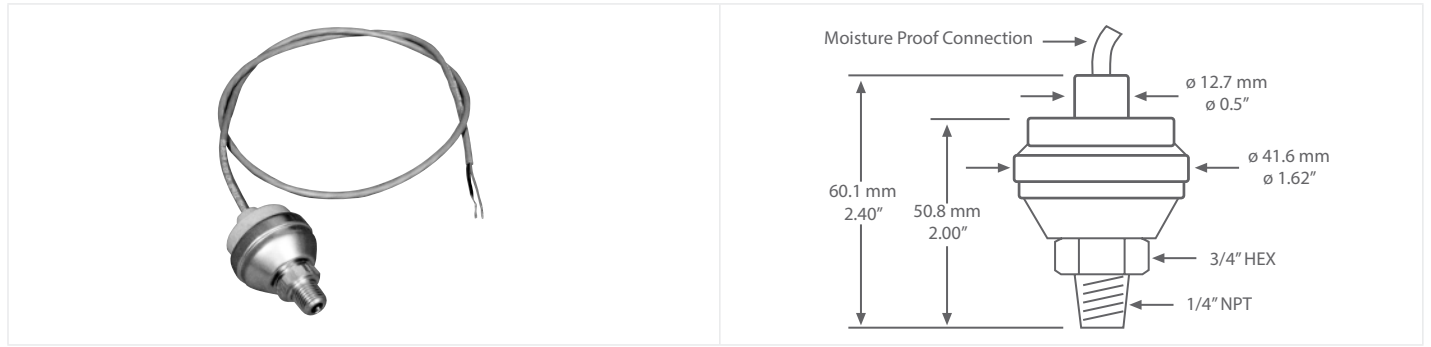




GAGE PRESSURE TRANSMITTER



PG5 SERIES

PRODUCT DESCRIPTION

The PG5100A is a compact gage pressure transmitter complete with a 2 wire 4-20 mA output, various pressure ranges, 1/4" NPT connection and 2' cable for electrical termination.

MEDIA COMPATIBILITY

The PG5100A series transmitter is 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.

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 + 0.0004 x (resistance of receiver plus line)
OUTPUT	4-20 mA
EXTERNAL LOAD	0 to 800 Ω
MEDIA COMPATIBILITY	17 - 4PH stainless steel
PRESSURE PORT	1/4" to 18 NPT external
OPERATING TEMP. RANGE (SENSOR)	-40 to 85°C (-40 to 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.
STABILITY	0.5% F.S. per year
PRESSURE OVERLOAD	See ordering chart
COUNTRY OF ORIGIN	United States of America

ORDERING

PRODUCT	PG5100A	Gage Pressure Transmitter
PRESSURE RANGES	4A1A 5A1A 6A1A 7A1A 8A1A 9A1A 10A1A 11A1A 12A1A 13A1A 14A1A 15A1A 16A1A 17A1A 18A1A 19A1A 20A1A	-14.7-15 PSIG (-101.4-103.4 kPa), Proof Pressure: 20PSI, Burst Pressure: 500PSI -14.7-30 PSIG (-101.4-206.8 kPa), Proof Pressure: 50PSI, Burst Pressure: 500PSI -14.7-60 PSIG (-101.4-413.7 kPa), Proof Pressure: 100PSI, Burst Pressure: 750PSI -14.7-100 PSIG (-101.4-689.5 kPa), Proof Pressure: 200 PSI, Burst Pressure: 1000PSI -14.7-150 PSIG (-101.4-1034.2 kPa), Proof Pressure: 400PSI, Burst Pressure: 2000PSI 0-10 PSIG (0-68.95 kPa), Proof Pressure: 20PSI, Burst Pressure: 500PSI 0-25 PSIG (0-172.4 kPa), Proof Pressure: 50PSI, Burst Pressure: 500PSI 0-50 PSIG (0-344.7 kPa), Proof Pressure: 100PSI, Burst Pressure: 750PSI 0-100 PSIG (0-689.5 kPa), Proof Pressure: 200PSI, Burst Pressure: 1000PSI 0-150 PSIG (0-1034.2 kPa), Proof Pressure: 400PSI, Burst Pressure: 2000PSI 0-200 PSIG (0-1379 kPa), Proof Pressure: 400PSI, Burst Pressure: 2000PSI 0-250 PSIG (0-1723.2 kPa), Proof Pressure: 500PSI, Burst Pressure: 2000PSI 0-300 PSIG (0-2068.4 kPa), Proof Pressure: 500PSI, Burst Pressure: 2000PSI 0-500 PSIG (0-3447.4 kPa), Proof Pressure: 1000PSI, Burst Pressure: 3000PSI 0-1000 PSIG (0-6894.8 kPa), Proof Pressure: 2000PSI, Burst Pressure: 5000PSI 0-5000 PSIG (0-34473.8 kPa), Proof Pressure: 7500PSI, Burst Pressure: 10,000PSI 0-10,000 PSIG (0-68947.6 kPa), Proof Pressure: 12,500PSI, Burst Pressure: 20,000PSI

PART NUMBER

PG5100A

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



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