GAGE PRESSURE TRANSMITTER

PGS100 Series

The PGS100 series incorporates:

* Ranges -14.7 through 10,000 PSIG (-101.4 through 68947.6 kPa)
* DC inputs, current output
* 17-4PH Stainless Steel has excellent corrosion resistance (comparable to grade 304 stainless)
* 1/4” NPT
* Accuracy to ±0.25% FSO

PRODUCT HIGHLIGHTS

* Weather resistant for harsh environments
* Capacitance sensing element
* Fast response time
* NIST traceable calibration

SPECIFICATIONS

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| ACCURACY AT CONSTANT TEMP | 0.25% F.S.O. |
| PRESSURE RANGES & OVERLOAD | See chart |
| 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 |
| COUNTRY OF ORIGIN | USA |

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| MODEL | PRESSURE RANGE | PROOF PRESSURE | BURST PRESSURE |
| 4A1A | -14.7-15 PSIG (-101.4-103.4 kPa) | 20PSI | 500PSI |
| 5A1A | -14.7-30 PSIG (-101.4-206.8 kPa) | 50PSI | 500PSI |
| 6A1A | -14.7-60 PSIG (-101.4-413.7 kPa) | 100PSI | 750PSI |
| 7A1A | -14.7-100 PSIG (-101.4-689.5 kPa) | 200 PSI | 1000PSI |
| 8A1A | -14.7-150 PSIG (-101.4-1034.2 kPa) | 400PSI | 2000PSI |
| 9A1A | 0-10 PSIG (0-68.95 kPa) | 20PSI | 500PSI |
| 10A1A | 0-25 PSIG (0-172.4 kPa) | 50PSI | 500PSI |
| 11A1A | 0-50 PSIG (0-344.7 kPa) | 100PSI | 750PSI |
| 12A1A | 0-100 PSIG (0-689.5 kPa) | 200PSI | 1000PSI |
| 13A1A | 0-150 PSIG (0-1034.2 kPa) | 400PSI | 2000PSI |
| 14A1A | 0-200 PSIG (0-1379 kPa) | 400PSI | 2000PSI |
| 15A1A | 0-250 PSIG (0-1723.2 kPa) | 500PSI | 2000PSI |
| 16A1A | 0-300 PSIG (0-2068.4 kPa) | 500PSI | 2000PSI |
| 17A1A | 0-500 PSIG (0-3447.4 kPa) | 1000PSI | 3000PSI |
| 19A1A | 0-5000 PSIG (0-34473.8 kPa) | 7500PSI | 10,000PSI |
| 20A1A | 0-10,000 PSIG (0-68947.6 kPa) | 12,500P | 20,000PSI |