

GP Series Features

- Ranges from 0-500 psig
- Stainless steel diaphragm
- Air, gas, and liquid applications
- Does not contain O-rings

The GP Series is designed to provide excellent accuracy and reliability in commercial, industrial, and process control applications where performance is critical. The bulk micro-machined transducer features a stainless steel diaphragm with welded construction that contains no O-rings, which makes them compatible with any gas or liquid compatible with 304L stainless steel. Some of the compatible gases and liquids include refrigerants, glycol, motor oil, diesel, hydraulic uid, brake uid, water, waste water, Hydrogen, Nitrogen and air. The GP Series transducers can also be ordered in an optional NEMA 4 rated, weatherproof metal enclosure. This series features packard connectors and seperate harnesses allowing for installation flexibility.

Ordering Options

<i>Part</i>	<i>Part #</i>	<i>Description</i>
GP(0-15G)-20-P	30-GP015G	0-15 psig, 1/4" NPT, Packard
GP(0-30G)-20-P	30-GP030G	0-30 psig, 1/4" NPT, Packard
GP(0-50G)-20-P	30-GP050G	0-50 psig, 1/4" NPT, Packard
GP(0-100G)-20-P	30-GP100G	0-100 psig, 1/4" NPT, Packard
GP(0-200G)-20-P	30-GP200G	0-200 psig, 1/4" NPT, Packard
GP(0-300G)-20-P	30-GP300G	0-300 psig, 1/4" NPT, Packard
GP(0-500S)-20-P	30-GP500G	0-500 psis, 1/4" NPT, Packard, Sealed Gage



Technical Specifications

Supply Voltage:	250 Ohm Load: +13 to 30 VDC 500 Ohm Load: 18 to 30 VDC
Reverse Polarity Protection:	+/- 16 V over 5 minutes
Maximum Load Resistance:	800 Ohms @ 24 VDC Formula: (Supply VDC – 8 VDC) / 0.020A
Supply Current:	25 mA minimum
Output Signal:	4 to 20 mA (2-Wire, Loop Powered)
Response Time:	< 1 ms
Accuracy @ 22°C (71.6°F):	15 to 60 psig: < +/- 1.0% FS 75 to 300 psig: < +/- 0.5% FS 500 psig : < +/- 0.5% FS
Thermal Error (-40° to 105°C):	15 to 60 psig: < +/- 1.0 FS 75 to 300 psig: < +/- 0.5% FS 500 psig : < +/- 0.5% FS
Stability (250 Hours @ 225°F (125°C)):	+/- 0.03% FS @ 0 PSIG; +/- 0.12% FS @ 1000 PSIG
Proof Pressure:	15 to 300 psig: 3x FS 500 psig: 3x FS
Burst Pressure:	15 to 300 psig: 3x FS 500 psig: 3x FS
Thermal Shock:	300 Cycles (105°C to -40°C, 0.5 hr soaks @ Temp. (2s Transfer))
Vibration (100 to 2000Hz, 20g Sinusoidal, 3 Axes):	144 Hours
Operating Temperature Range:	40 to 257°F (-40 to 125°C)
Storage Temperature Range:	-40 to 176°F (-40 to 80°C)
Operating Humidity Range:	0 to 95% RH, non-condensing
Media Types:	Any gas or liquid compatible with 304L Stainless Steel
Transducer Housing Material:	Stainless Steel
Process Fitting Material Thread Size:	304L Stainless Steel 1/4"-18 NPT
Recommend Torque Specification:	150 lbs-in (16.95 Nm)
Wiring Connections:	Packard Connector
Product Dimensions (Length x Diameter):	2.60" (66.6 mm) x 0.87" (22.23 mm)
Product Weights:	A/GP Series Transducer: 0.30 lbs.