



Process Measure Control

DIFFERENTIAL PRESSURE TRANSMITTER DP2000 SERIES HI-LINE

The PMC **DP2000 Series** Precision Pressure transmitters/transducers are high performance rugged general purpose transmitters, suitable for a wide range of applications. Of particular importance to the test and measurement industry is the hi-line and proof pressure capability, 1000 psi for all ranges, thus avoiding damage where pressure spikes and unknown pressure surges can often occur.

Since differential pressure is often a complicated measurement, we encourage potential users to contact our knowledgeable sensor engineers at PMC.

Features

- Accuracy 0.1% std. 0.05% available
- Ranges 1.0 to 600 psid
- 1000 psi Proof
- -40 to 250 °F
- 0.5 - 4.5 VDC/4-20 mA

TECHNICAL SPECIFICATIONS

Full Scale Ranges	0-1, 5, 10, 15, 30, 50, 100, 150, 250, 500, 600 psid <i>Other ranges available</i>
Accuracy-Static	±0.1% (standard - better possible contact PMC) <i>Non-linearity, hysteresis, repeatability, zero & span settings.</i>
Accuracy-Total Error Band	±0.3% for 32 to 160°F ±0.5% for -15 to 185°F ±0.6% for -40 to +250°F
Overpressure (Proof Pressure)	1000 psi on either side
Line (Static) Pressure Line (Static) Effect	1000 psi 1 psi range: zero <0.015%FS /100 psi, span < 0.014%FS/100 psi Other ranges: zero <0.0075%FS/100psi, span <0.014%FS/100 psi
Burst Pressure	2000 psi on either side
Operating Temperature Range	-40° to +250° F
Compensated Temperature Range	+32 to 160°F (standard) -15 to 185°F (option) -40 to +250°F (option)
Output	0.5 to 4.5 VDC or 4-20 mA 2-wire <i>Note: The VDC output can be set to simulate 0-5 VDC with the change in output from 10% to 90% of the range.</i>
Supply Voltage	10-32 VDC for 0.5 - 4.5 VDC output. 9-33 VDC for 4-20 mA output.
Electrical Terminations	6-pin bayonet - 10-6 pin layout, DIN connector, polyurethane or FEP cable, <i>Others available</i>
Pressure Connections	1/4"NPT female (standard) <i>Others available</i>
Housing	316L Stainless Steel
Media Compatibility	316L Stainless Steel.
Weight (excluding cable)	40 oz.

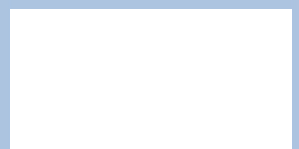
Applications

- Test & Measurement
- Wellhead
- Industrial Flow
- Pump Monitoring
- Flight Test
- Health Monitoring

Contact

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Represented by:



PMC-STs, Inc. adopts a continuous development program which sometimes necessitates specification changes without notice

PMC specializes in providing sensors and solutions throughout industry

PMC Configurator

DP X X X X

Model Construction	Per Mechanical Details Below	2
Housing Material	316L Stainless Steel	1
Electrical Connection	Polyurethane Cable	1
	FEP Cable	2
	Electrical Connector (specify type)	5
Cable length must be specified at the time of ordering.		
Electrical Output Type	0.5 to 4.5 (See note 7)	2
	4-20 mA loop powered	3

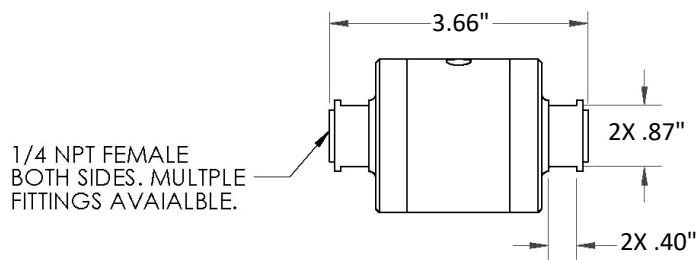
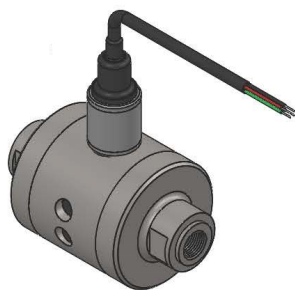
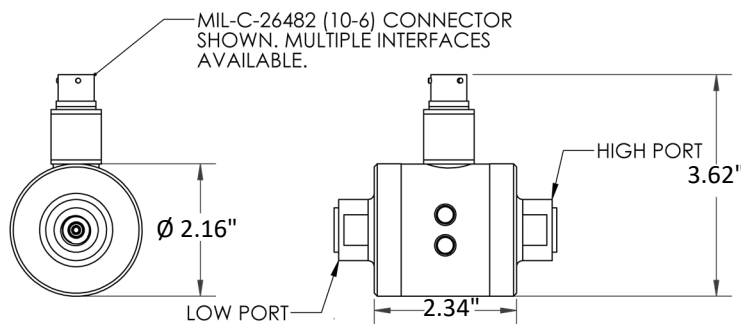
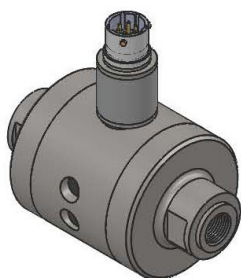
Additional Information Required

(1) Pressure Range including engineering units
 (2) Specify differential
 (3) Accuracy (0.1% standard)
 (4) Compensated Temperature Range (32 to 160°F standard)
 (5) Pressure connection type - if different from 1/4" NPT female
 (6) Electrical connector type (if required)
 (7) Specify if 0-5VDC simulation is required

Example Ordering Format: DP2112 - 5psid - 0.1% 32 to 160°F - DIN connector-

MECHANICAL DETAILS

Dimensions in inches



Process Measure Control

Sensors for

- Pressure
- Level
- Vacuum
- Temperature
- Force
- Position

Other Products

PMC's wide range of pressure & temperature sensors suit most industrial applications. Features include:

- Ranges 0 - 20" to 0 - 10,000psi
- Temperatures to 400F
- 4-20 mA, 0 - 5 VDC
- HART® RS485, CAN...
- Hazardous Certs.

PMC is

- Engineering Driven
- Confidential
- Experienced
- Responsive
- Dynamic
- Friendly

ELECTRICAL DETAILS

Configuration	+V Supply	0V Supply	- V Output	+ V Output
0.5-4.5 VDC	Red	Black	Yellow	Green
4-20 mA	Red	Black		

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