PMC ENGINEERING STS global.sensor.excellence

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.

Technical Specifications

Full Scale Ranges	0-1, 5, 10, 15, 30, 50, 100, 150, 250, 500, 600 psid *Other ranges available*
Accuracy-Static	±0.1% (standard - better possible contact PMC) *Non-linearity, hysteresis, repeatability, zero & span settings.*
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 *Note: The VDC output can be set to simulate 0-5 VDC with the change in output from 10% to 90% of the range.*
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, *Others available*
Pressure Connections	1/4"NPT female (standard) *Others available*
Housing	316L Stainless Steel
Media Compatibility	316L Stainless Steel.
Weight (excluding cable)	40 oz.

PMC Engineering adopts a continuous development program which sometimes necessitates specification changes without notice

Process Measure Control

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**

Applications

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

Contact

PMC Engineering LLC
11 Old Sugar Hollow Rd
Danbury, CT 06810
USA
sales@pmc1.com
Tel: 203-792-8686
Fax: 203-743-2051
www.pmc1.com

Represented by:

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

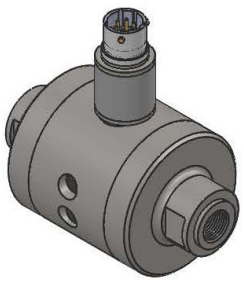
Additional Information Required

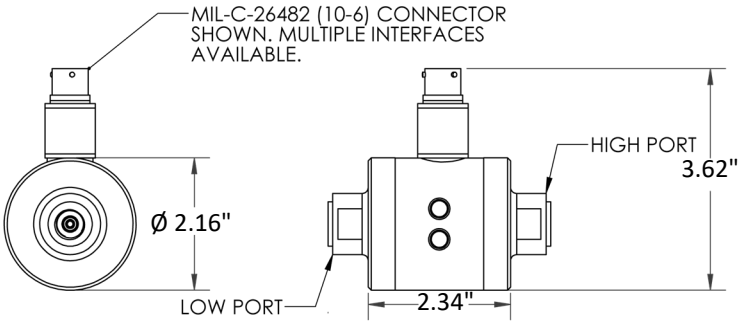
(1) Pressure Range including engineering units
(2) Specify differential
(3) Accuracy (0.1% standard)
(4) Compensated Temperature Range (32 to 160°F standard)
(5) Pressure connectiontype - if different from ¼"NPT female
(6) Electrical connector type (if required)
(7) Specify if 0-5VDC simulation is required

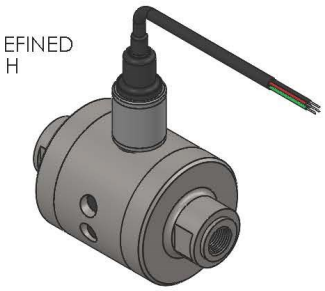
Example Ordering Format: DP2112 - 5psid - 0.1% 32 to 160°F - DIN connector-

Mechanical Details

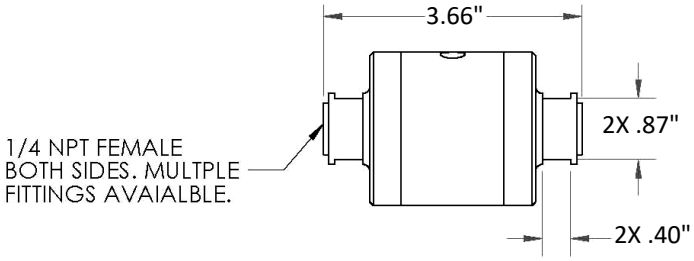
Dimensions in inches







Cable Version



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		

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

PMC specializes in providing sensors and solutions throughout industry