

Configurable Pressure Transducers

FP2000 Series



2-WEEK DELIVERY

mV/V, 0-5, 0-10 VDC, OR 4-20 mA

GAGE, ABSOLUTE, VACUUM, BAROMETRIC

The FP2000 series is a manufacturing and delivery system which allows the customer to select the configuration which best fits the needs of the application. Choose from two accuracies, four outputs, six pressure ports, five electrical terminations and twenty-five pressure ranges. The FP is available with gage, absolute, barometric or vacuum reference and, best of all, they deliver in 2 weeks or less.

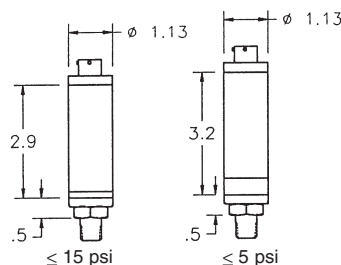
Order Code	Gage FPG	Absolute FPA	Barometric FPB	Vacuum FPV
Pressure Ranges	See chart next page			
Accuracy (BFSL)	0.1% or 0.25% F.S.			
Output (selectable)	mV/V, 0-5 VDC, 0-10 VDC, or 4-20 mA (2 wire)			
Resolution	Infinite			
Temperature, Operating	-40° F to 240° F			
Temperature, Compensated	40° F to 140° F			
Temperature Error Band*				
0.1% Accuracy	±0.5% F.S.			
0.25% Accuracy	±1% F.S.			
Excitation (calibration)				
Amplified (4-20mA, 0-5 VDC)	9 - 28 VDC			
Amplified (0-10 VDC)	15 - 28 VDC			
Unamplified (mV/V)	10 VDC			
Media	Gas, Liquid			
Overload-Safe				
1000 psi and below	4x FS or 3,000 psi, whichever is less			
1500 psi and above	4x FS or 15,000 psi, whichever is less			
Wetted Parts Material	Ha C276 & 316L ss			

*For ranges below 15psi, temperature effects may vary.

Non-amplified output @10 VDC excitation			
	<u>FPG & FPA</u>	<u>FPV</u>	<u>FPB</u>
0.10% accuracy	50 mV	33 mV	40 mV
0.25% accuracy	100 mV	50 mV	80 mV

Dimensions

GAGE, ABSOLUTE,
BAROMETRIC & VACUUM

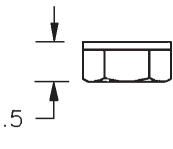
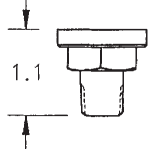
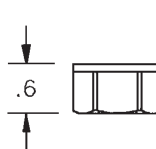
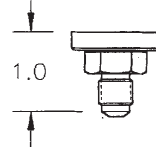
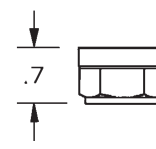
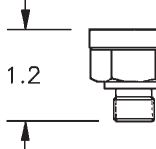
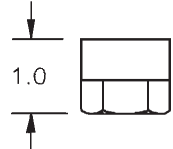
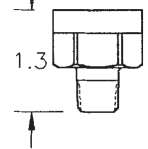
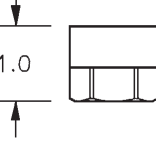
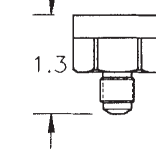
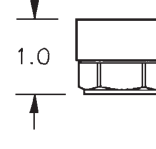
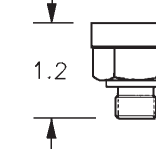


CODE [6n] 4-PIN, VENTED MINI DIN	CODE [6a] 6-PIN, VENTED BENDIX STYLE	CODE [6q] 4-CONDUCTOR VENTED, INTEGRAL CABLE, 5 FEET
CODE [6r] 4-CONDUCTOR VENTED, INTEGRAL CABLE, CONDUIT FITTING, 5 FEET	CODE [6m] 4-PIN, VENTED STD. DIN (43650)	

1-888-282-9891

Honeywell
Sensotec Sensors

www.honeywell.com/sensing

Pressure Port Options	CODE 5a 1/4-18 NPT Female	CODE 5b 1/4-18 NPT Male	CODE 5c 7/16-20 UNF Female	CODE 5d 7/16-20 UNF Male	CODE 5f G1/4B Female	CODE 5g G1/4 B Male
≤1000PSI						
≥1500PSI						

HOW TO ORDER

www.sensotec.com/FP2000.htm

It's easy to order exactly what you need. Simply make one selection in each of the required categories, choose adders and accessories only if you want them. The result is a custom transducer with standard delivery!

Example
Order Code: **TYPE** FPG **ACCURACY** 1 **RANGE** AT **OUTPUT** 2u **PORT** 5b **CONNECTOR** 6a

This example is for a gage pressure unit, 0.10% accuracy, 5 psi range, mV/V output, 1/4-18 NPT Male pressure port, and a Bendix electrical connection.

TRANSDUCER TYPE

- ☐ Gage (FPG)
- ☐ Absolute (FPA)
- ☐ Barometric (FPB)
- ☐ Vacuum (FPV)

ACCURACY

- ☐ 0.10% (1)
- ☐ 0.25% (2)

GAGE/ABSOLUTE RANGES

- ☐ 10" H₂O (WA)*
- ☐ 1 psi (AP)*
- ☐ 5 psi (AT)
- ☐ 15 psi (BJ)
- ☐ 30 psi (BM)
- ☐ 50 psi (BN)
- ☐ 100 psi (BR)
- ☐ 150 psi (CJ)
- ☐ 250 psi (CN)
- ☐ 500 psi (CR)
- ☐ 750 psi (CT)
- ☐ 1000 psi (CV)
- ☐ 1500 psi (DJ)
- ☐ 2500 psi (DM)
- ☐ 5000 psi (DR)
- ☐ 7500 psi (DT)
- ☐ 10000 psi (DV)

*Gage only

BAROMETRIC

- ☐ 16"-32" Hga (UQ)
- ☐ 26"-32" Hga (UR)
- ☐ 0-30" Hga (UG)



ELECTRICAL CONNECTIONS

- ☐ Bendix PTIH-106P (6a)
- ☐ MINI DIN, 40050 (6n)
- ☐ 5' Integral cable, polyurethane (6q)
- ☐ Std. DIN, 43650 (6m)
- ☐ Conduit fitting, (6r)

AVAILABLE OUTPUTS

- ☐ mV/V (2u)
- ☐ 5 VDC (2d)
- ☐ 10 VDC (2g)
- ☐ 4-20 mA (2p)
- ☐ 4-20 mA, CE (2y)
- ☐ 4-20 mA, Intrinsically Safe (2n or 2N; limited to ranges ≤ 5000 psi.)

PRESSURE PORTS

- ☐ 1/4-18 NPT F (5a)
- ☐ 1/4-18 NPT M (5b)
- ☐ 7/16-20 UNF F (5c)
- ☐ 7/16-20 UNF M (5d)
- ☐ G 1/4 B F (5f)
- ☐ G 1/4 B M (5g)

VACUUM

- ☐ 10" H₂Ov (WA)
- ☐ 1 psiv (AP)
- ☐ 5 psiv (AT)
- ☐ 10 psiv (AV)
- ☐ 15 psiv (BJ)

ADDERS

Selecting an Adder will automatically update the output code.

- ☐ Extended temperature range (1y)
- ☐ Buffered shunt cal (3d)
- ☐ CE rating (9e)
- ☐ Intrinsically safe, 2 wire (9d) See page AP-6
- ☐ CE and Intrinsically safe (9f) See page AP-6
- ☐ Potentiometers (14c)

WIRING CODES, no shunt cal

Output Mating Connectors	mV/V 2u	0-5 VDC 2d	0-10 VDC 2g	4-20 mA 2p	2n or 2N
AA161 Mini DIN	#37	#38	#38	#54	#53
AA111 Bendix	#2	#50	#50	#49	#23
6q Integral Cable	#1	#52	#52	#51	#22
6r Conduit	#1	#52	#52	#51	#22
AA157 Std DIN	#37	#38	#38	#54	#53

ACCESSORIES

Mating connectors with 15' of cable for Bendix connector (6a)

	without shunt	with shunt (3d)
☐ mV/V	AA113	AA513
☐ 4-20 mA	AA116	AA516
☐ 0-5 / 0-10 VDC	AA117	AA517
Mating Connectors Only		
☐ Mini DIN (40050)	AA161	
☐ Bendix	AA111	
☐ Standard DIN (43650)	AA157	

WIRING CODES, with shunt cal option (3d)

Output	mV/V 2u	0-5 VDC 2e	0-10 VDC 2f	4-20 mA 2y	2n or 2N
AA161 Mini DIN	NA	#56	#56	#55	#64
AA111 Bendix	#57	#60	#60	#58	#59
6q Integral Cable	NA	#63	#63	#61	#62
6r Conduit Fitting	NA	#63	#63	#61	#62
AA157 Std DIN	NA	#56	#56	#55	#64