



Configurable Pressure Transducers

FP2000 Series



2-WEEK DELIVERY

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

GAGE, ABSOLUTE, VACUUM, BAROMETRIC

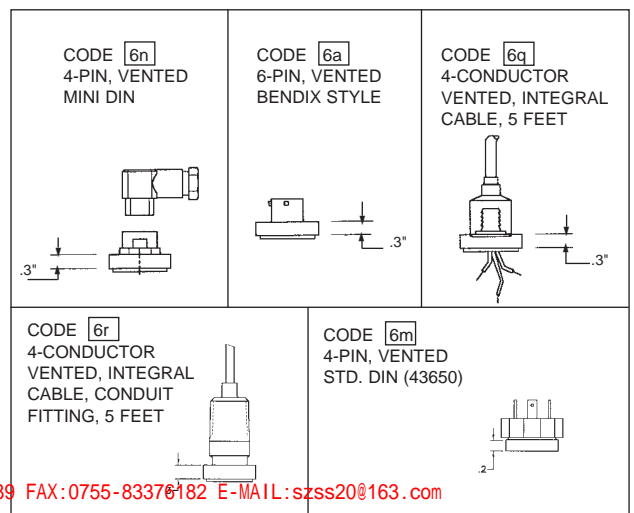
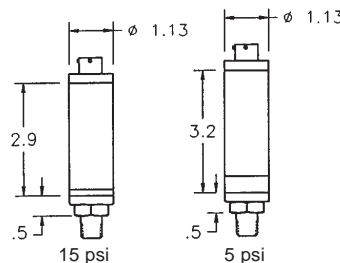
SENSOTEC's FP2000 series is a manufacturing and delivery system which allows the customer to select the configuration which best fits the needs of the application. Choose from two accuracies, four outputs, six pressure ports, five electrical terminations and twenty-five pressure ranges. The FP is available 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*		±0.5% F.S.		
0.1% Accuracy		±1% F.S.		
0.25% Accuracy				
Excitation (calibration)		9 - 28 VDC		
Amplified (4-20mA, 0-5 VDC)		12 -28 VDC		
Amplified (0-10 VDC)		10 VDC		
Unamplified (mV/V)				
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.

Dimensions

GAGE, ABSOLUTE,
BAROMETRIC & VACUUM



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 **TYPE** **ACCURACY** **RANGE** **OUTPUT** **PORT** **CONNECTOR**
Order Code:

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

- | | |
|---|---|
| <input type="checkbox"/> 10" H ₂ O (WA)* | <input type="checkbox"/> 500 psi (CR) |
| <input type="checkbox"/> 1 psi (AP)* | <input type="checkbox"/> 750 psi (CT) |
| <input type="checkbox"/> 5 psi (AT) | <input type="checkbox"/> 1000 psi (CV) |
| <input type="checkbox"/> 15 psi (BJ) | <input type="checkbox"/> 1500 psi (DJ) |
| <input type="checkbox"/> 30 psi (BM) | <input type="checkbox"/> 2500 psi (DM) |
| <input type="checkbox"/> 50 psi (BN) | <input type="checkbox"/> 5000 psi (DR) |
| <input type="checkbox"/> 100 psi (BR) | <input type="checkbox"/> 7500 psi (DT) |
| <input type="checkbox"/> 150 psi (CJ) | <input type="checkbox"/> 10000 psi (DV) |
| <input type="checkbox"/> 250 psi (CN) | |

*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 and Intrinsically safe (2n) ranges 5000 psi.
- For use with adders 9d & 9f.

VACUUM

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

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)

ADDERS

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

WIRING CODES, no shunt cal

Mating Connectors \ Output	mV/V	0-5 VDC	0-10 VDC	4-20 mA	
	2u	2d	2g	2p	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	NA	52	52	51	53
AA157 Std Din	37	38	38	54	53

ACCESSORIES

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

	without shunt	with shunt (3d)
--	---------------	-----------------

- | | | |
|---|-------|-------|
| <input type="checkbox"/> mV/V | AA113 | AA513 |
| <input type="checkbox"/> 4-20 mA | AA116 | AA516 |
| <input type="checkbox"/> 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 (2d)

Mating Connectors \ Output	mV/V	0-5 VDC	0-10 VDC	4-20 mA	
	2u	2e	2f	2y	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

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