

AVAILABLE
with Signature
Calibration
SEE PG. IN-5

General Purpose Gage/Absolute Pressure Transducers

Model Z



AMPLIFIED OUTPUT AVAILABLE

STAINLESS STEEL

0.5 to 60,000 psi, 35 mbar to 4000 bar



The Model Z is designed as a general industrial pressure transducer with a wide variety of available options to meet specific application requirements. Pressure ranges span from 0.5 to 30,000 psi. All models are constructed of stainless steel and utilize complete four arm 350 ohm strain gage bridges. Model Z transducers use a standard gage design. The absolute models have an internal sealed 0 psia reference.

Dimensions

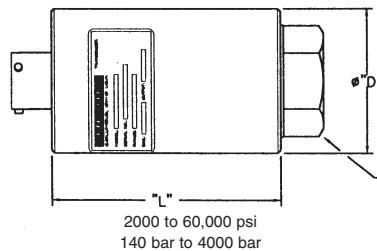
Model Z Gage (Order Code AP131)

Available Ranges*	D"	L"
0.5; 1; 2; 5 psig	2.25 (5.72 cm)	2.42 (6.15 cm)
10; 15 psig	1.50 (3.81 cm)	2.35 (5.97 cm)
25; 50; 75; 100; 150; 200;		
300; 500 psig	1.5 (3.81 cm)	2.35 (5.97 cm)
750; 1000; 1500; psig	1.5 (3.81 cm)	2.35 (5.97 cm)
2000; 3000; 5000; 7500;		
10,000 psig	1.5 (3.81 cm)	2.39 (6.07 cm)
15,000; 20,000; 30,000;		
50,000; 60,000 psig	1.5 (3.81 cm)	2.21 (5.61 cm)

Model Z Absolute (Order Code AP132)

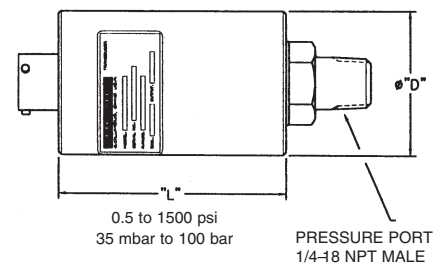
Available Ranges*	D"	L"
0.5; 5 psia	2.25 (5.72 cm)	2.09 (5.31 cm)
10; 15; 25; 50; 75; 100; 150;		
200; 300; 500; 750;		
1000; 1500 psia	1.5 (3.81 cm)	2.35 (5.97 cm)
2000; 3000; 5000; 7500;		
10,000 psia	1.5 (3.81 cm)	2.39 (6.07 cm)
15,000; 20,000; 30,000;		
50,000; 60,000 psia	1.5 (3.81 cm)	2.21 (5.61 cm)

*Stocked ranges are in bold face print.
**Consult Sensotec



2,000 to 10,000 PSI
PRESSURE PORT
1/4-18 FEMALE NPT

15,000 TO 60,000 PSI
PRESSURE PORT
AUTOCLAVE F-250C



Options (See Appendix)

Temperature compensated 1b, 1c, 1d, 1e, 1f; Internal amps 2a; 2c; 2k; 2j; 2t; 2n or 2N Intrinsically Safe Amp - see page AP-6.

Amp enhancements 3d; Pressure ports 5a, 5b, 5c, 5d (<=15,000 psi); Electrical terminations 6e, 6f, 6g, 6h, 6i; Int. shunt cal 8a; Signature calibration 53e

Premium Options: 1g (>=15 psi); 1i (>=15 psi only); 2q; 3a, 3c; 6b, 6c, 6j; Special calibration 9a (>=5 psi gage only); 9b (Gage only, >=5 psi); 10a; 12a, 12b

Accessories: Mating connectors and connector/cable assemblies; Pressure port adapters.

1-888-282-9891

Honeywell
Sensotec Sensors

www.honeywell.com/sensing

Model Z

Gage: Order Code AP131
 Absolute: Order Code AP132

PERFORMANCE	Pressure Ranges.....	0.5 to 60,000 psi* (35 mbar to 4000 bar)	
	Accuracy (min)	+ /-0.25% F.S.	
	Non-Linearity	+ /-0.15% F.S.	
	Hysteresis.....	+ /-0.10% F.S.	
	Non-Repeatability	+ /-0.05% F.S.	
	Output (standard)	3mV/V**	
	Resolution	Infinite	
ENVIRONMENTAL	Temperature, Operating		
	1 to 1,000 psi	-100° to 325° F (-73° to 162° C)	
	1,500 to 60000 psi	-100° to 250° F (-73° to 95° C)	
	Temperature, Compensated	60° F to 160° F (15° C to 71° C)	
	Temperature Effect		
	-Zero (max).....	0.005% F.S./° F (0.009% FS./° C)	
	-Span (max).....	0.005% Rdg./° F (0.009% Rdg./° C)	
ELECTRICAL	Strain Gage Type	Bonded foil	
	Excitation (calibration).....	10VDC	
	Excitation (acceptable).....	Up to 12VDC or AC	
	Insulation Resistance	5000 megohm @ 50VDC	
	Bridge Resistance	350 ohms	
	Shunt Calibration Data	Included	
	Wiring Code (std)	#2 (See Pg. AP-8)	
	Electrical Termination (std)	PTIH-10-6P or equiv. (Hermetic stainless)	
	Mating Connector (not incl.).....	PT06A-10-6S or equiv.	
MECHANICAL	Media.....	Gas Liquid	
	Overload-Safe	50% over capacity	
	Overload-Burst		
	0.5 to 5000 psi	300% over capacity	
	7500 to 10,000 psi	200% over capacity	
	15,000 to 60,000 psi	70% over capacity	
	Pressure Port		
	0.5 to 1500 psi	1/4-18 NPT male	
	2000 to 10,000 psi	1/4-18 NPT female	
	15,000 to 60,000 psi	Autoclave AE F250-C	
	Dead Volume.....		
	0.5 to 5 psi	0.32 cu. in.	
	10 to 15 psi	0.17 cu. in.	
	25 to 1500 psi	0.17 cu. in.	
	2000 to 10,000 psi	0.12 cu. in.	
	Wetted Parts Material.....	17-4 PH Stainless / 15-5 Stainless	
	Type	Absolute or Gage***	
Weight	10 oz. (50 psi)		
Case Material	Stainless Steel		
INTERNALLY AMPLIFIED UNITS (Optional)	Outputs Available	0-5VDC, 4-20mA	4-20mA Intrinsically safe See page AP-6
	Additional Length.....	1.12" (2.84 cm)	2.0" (5.08 cm)

NOTES * 0.5 psi (35 mbar) is not available in absolute pressure
 ** Output for 1 and 2 psi units is 1mV/V/psi minimum.
 *** Gage pressure units greater than 500 psi (35 bar) are sealed at atmospheric pressure.

General Information

How to order (See Pg. AP-19)
 Gage/Absolute pressure selection flow chart (See Pg. PR-1)

●お問い合わせは下記へ――

株式会社クローネ 私達は機能・品質・デザインを追求します。

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