

AVAILABLE
with Signature
Calibration
SEE PG. IN-5

General Purpose Gage/Absolute Pressure Transducers

Model A-5

AMPLIFIED OUTPUT AVAILABLE

STAINLESS STEEL

0.5 to 30,000 psi, 35 mbar to 2000 bar



APPROVED
INTRINSICALLY
SAFE AMP

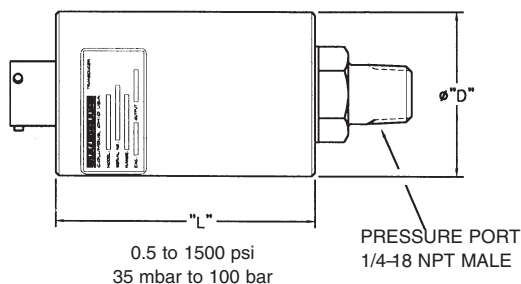


The Model A-5 is designed as a general industrial pressure transducer with a wide variety of available options to meet specific application requirements. Pressure ranges span from 0.5 to 30,000 psi. All models are constructed of stainless steel and utilize complete four arm 350 ohm strain gage bridges. Model A-5 transducers use a standard gage design. The absolute models have an internal sealed 0 psia reference.

Dimensions

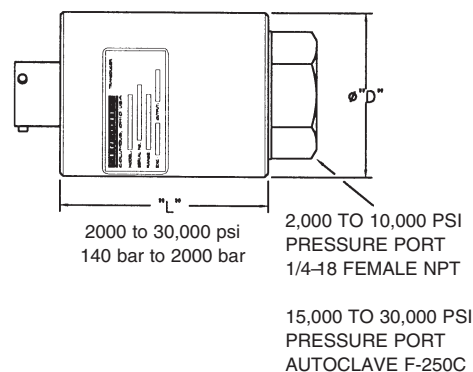
Model A-5 Gage (Order Code AP141)

Available Ranges	D"	L"
.5; 1; 2; 5 psig	2.25 (5.72 cm)	2.42 (6.15 cm)
10; 15; 25; 50; 75; 100 psig	1.5 (3.81 cm)	2.35 (5.97 cm)
200; 300; 500; 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)	2.35 (5.97 cm)
15,000; 20,000; 30,000 psig	1.5 (3.81 cm)	2.21 (5.61 cm)



Model A-5 Absolute (Order Code AP142)

Available Ranges	D"	L"
1; 2; 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 psia	1.5 (3.81 cm)	2.21 (5.61 cm)



Options (See Appendix)

Temperature compensation: 1b, 1c, 1d, 1e, 1f; Internal amplifiers: 2a, 2n or 2N intrinsically safe amp - see page AP-6, 2j, 2k, 2t;

Amp enhancements 3d; Pressure ports: 5a, 5b, 5c, 5d ($\leq 15,000$ psi); Electrical terminations 6e, 6f, 6g, 6h, 6i; Int. shunt cal 8a; Special calibration 9a (≥ 5 psi gage only); Signature calibration 53e

Premium Options: 1g (≥ 15 psi only); 1i (≥ 15 psi only); 2c, 2q, 3a, 3c, 6b, 6c, 6j; 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

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Model A-5

Gage: Order Code AP141
Absolute: Order Code AP142

PERFORMANCE	Pressure Ranges.....	0.5 to 30,000 psi (35 mbar to 2000 bar)*
	Accuracy (min)	+/-0.5% F.S.
	Non-Linearity	+/-0.25% F.S.
	Hysteresis	+/-0.13% F.S.
	Non-Repeatability	+/-0.07% F.S.
	Output (standard)	3mV/V**
	Resolution	Infinite
ENVIRONMENTAL	Temperature, Operating	
	1 to 1,000psi	-100° to 325° F (-73° to 162° C)
	1,500 to 30000psi	-100° to 250° F (-73° to 95° C)
	Temperature, Compensated	60° to 160° F (16° to 71° C)
ELECTRICAL	Temperature Effect	
	-Zero (max)	0.0075% F.S./° F (0.0135% F.S./° C)
	-Span (max)	0.01% Rdg./° F (0.018% Rdg./° C)
	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)
MECHANICAL	Mating Connector (not incl.)	PT06A-10-6S or equiv.
	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 30,000 psi	70% over capacity
	Pressure Port	
	1 to 1500 psi	1/4-18 NPT male
	2000 to 10,000 psi	1/4-18 NPT female
	15,000 to 10,000 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 30,000 psi	0.12 cu. in.
	Wetted Parts Material	17-4 PH Stainless /15-5 Stainless
	Type	Absolute or Gage***
	Weight	10 oz. (50 psi)
INTERNALLY AMPLIFIED UNITS (Optional)	Case Material	Stainless Steel
	Outputs Available	0-5VDC, 0-10VDC, 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 available in gage only.
** Output for 0.5, 1, 2 psi units is 1-2mV/V
*** Gage pressure units greater than 200 psi (7 bar) are sealed.

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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