

INDUSTRIAL PRESSURE TRANSMITTER

Complete Offering of Ranges, Connections and Outputs



General Purpose
Housing (-GH)



626 with LED Display
(CH housing only)



General Purpose Housing (-GH)
with DIN C



Conduit Housing (-CH)



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product video

*Please see our website for dimensional drawings.

The **SERIES 626** Pressure Transmitters possess a highly precise 0.25% full scale accuracy piezo-resistive sensor contained in a compact, rugged, NEMA 4X (IP66) stainless steel general purpose housing or cast aluminum conduit housing.

The **SERIES 628** Pressure Transmitters are ideal for OEMs with 1% full scale accuracy sensors. The transmitter is also available in the general purpose stainless steel housing and the cast aluminum conduit housing. The corrosion resistant 316L stainless steel wetted parts allow the Series 626 and 628 transmitters to measure the pressure in a multitude of processes from hydraulic oils to chemicals. The Series 626 and 628 are available in absolute and pressure ranges with a variety of optional outputs, process connections and electrical terminations to allow you to select the right transmitter for your application.

FEATURES/BENEFITS

- NEMA 4X rated enclosure provides protection in harsh environments permitting outdoor monitoring or in areas where dust and particulate matter exists
- Robust 316 SS oil filled sensor provides shock and vibration resistance insuring stability in controlling pressure for process applications
- A wide range of models and connections that can meet pressure measurement specifications from low to very high

APPLICATIONS

- Compressors
- Pumping systems
- Irrigation equipment
- Hydraulic
- Industrial process monitoring

SPECIFICATIONS

Service: Compatible gases and liquids.

Wetted Materials: Type 316L SS.

Accuracy: 626: 0.25% FS; 626: 0.20% RSS; 628: 1.0% FS; 628: 0.5% RSS; 626 Absolute Ranges: 0.5% FS; 626 absolute ranges: 0.30% RSS. (Includes linearity, hysteresis, and repeatability.)

Temperature Limit: 0 to 200°F (-18 to 93°C).

Compensated Temperature Range: 0 to 175°F (-18 to 79°C).

Thermal Effect: $\pm 0.02\%$ FS/°F (includes zero and span).

Pressure Limits: See table.

Power Requirements: 10 to 30 VDC (for 4 to 20 mA, 0 to 5, 1 to 5, 1 to 6 VDC outputs); 13 to 30 VDC (for 0 to 10, 2 to 10 VDC outputs); 5 VDC ± 0.5 VDC (for 0.5 to 4.5 VDC ratio-metric output).

Output Signal: 4 to 20 mA, 0 to 5 VDC, 1 to 5 VDC, 0 to 10 VDC, or 0.5 to 4.5 VDC.

Response Time: 300 ms.

Loop Resistance: 0 to 1000 Ohms max. $R_{max} = 50 (V_{ps} - 10)$ Ohms (4 to 20 mA output), 5K Ohms (0 to 5, 1 to 5, 1 to 6, 0 to 10, 2 to 10, 0.5 to 4.5 VDC output).

Stability: 1.0% FS/year (Typ.).

Current Consumption: 38 mA maximum (for 4 to 20 mA output); 10 mA maximum (for 0 to 5, 1 to 5, 1 to 6, 0 to 10, 2 to 10, 0.5 to 4.5 VDC output); 140 mA maximum (for all 626/628/629-CH with optional LED).

Electrical Connections: Conduit Housing (-CH): terminal block, 1/2" female NPT conduit; General Purpose Housing (-GH): cable DIN EN 175801-803-C.

Process Connection: 1/4" male or female NPT and BSPT.

Enclosure Rating: NEMA 4X (IP66).

Mounting Orientation: Mount in any position.

Weight: 10 oz (283 g).

Agency Approvals: CE.

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PRESSURE LIMITS							
Range Number	Pressure Range	Maximum Pressure (psig)	Over Pressure (psig)	Range Number	Pressure Range (psig)	Maximum Pressure (psig)	Over Pressure (psig)
00	0 to 15 psia	30	45	12	0 to 200	400	1000
30	15 to 0 psia	30	45	13	0 to 300	600	1500
06	0 to 5 psig	10	50	14	0 to 500	1000	2500
07	0 to 15 psig	30	150	15	0 to 1000	2000	5000
08	0 to 30 psig	60	300	16	0 to 1500	3000	5000
09	0 to 50 psig	100	300	18	0 to 3000	6000	7500
10	0 to 100 psig	200	500	19	0 to 5000	7500	10000
11	0 to 150 psig	300	750	26	0 to 8000	10000	12000

MODEL CHART									
Example	626	-00	-CH	-P1	-E1	-S1	-AT	626-00-CH-P1-E1-S1-AT	
Accuracy	626							0.25% full-scale accuracy	
	628							1.0% full-scale accuracy	
Range		00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 22 15 16 18 19 26 67 71 75 81						0 to 15 psia 0 to 30 psia 0 to 50 psia 0 to 100 psia 0 to 200 psia 0 to 300 psia 0 to 5 psi 0 to 15 psi 0 to 30 psi 0 to 50 psi 0 to 100 psi 0 to 150 psi 0 to 200 psi 0 to 300 psi 0 to 500 psi 0 to 600 psi 0 to 1000 psi 0 to 1500 psi 0 to 3000 psi 0 to 5000 psi 0 to 8000 psi 0 to 0.5 bar 0 to 2.5 bar 0 to 10 bar 0 to 40 bar	
Housing			CH GH					Conduit housing General purpose housing	
Process Connection				P1 P2 P3 P5 P9				1/4" male NPT 1/4" female NPT 1/4" male BSPT 1/4" female SAE with refrigerant valve depressor ① 1/2" male NPT ①	
Electrical Connection					E1 E3 E4 E5 E6 E8			Cable gland with 3' of prewired cable Cable gland with 9' of prewired cable DIN EN 175801-803-C ① 1/2" female NPT conduit ② M-12 4 pin connector Packard connector	
Signal Output						S1 S2 S4 S5 S7		4 to 20 mA 1 to 5 VDC 0 to 5 VDC 0 to 10 VDC 0.5 to 4.5 VDC ①④	
Options							AT NIST LED	Aluminum tag NIST traceable certificate Bright red LED display ②③	
①Available with -GH housing only, NEMA 4 (IP65) ②Available with -CH housing only ③LED option is not NEMA 4X (IP66) ④Power requirement: 5 VDC ±10%									

ACCESSORIES	
Model	Description
A-164	16.4' (5 m) cable with M-12 4-pin female connector
A-960	3' packard cable
A-961	9' packard cable
A-962	20' packard cable