

# INDUSTRIAL PRESSURE TRANSMITTERS

Complete Offering of Ranges, Connections and Outputs

CALIBRATION SERVICES AVAILABLE



626/628 pressure transmitters  
with general purpose housing (-GH)



626/628 pressure transmitters  
with conduit box housing (-CB) and LCD display



\*Please see our website for dimensional drawings.

The **Series 626 Industrial 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 Industrial Pressure Transmitters** are ideal for OEMs with 1% full-scale accuracy sensors. 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 gage 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:** ±0.02% FS/°F (includes zero and span).

**Pressure Limits:** See table.

**Power Requirements:** 10-30 VDC (for 4-20 mA, 0-5, 1-5, 1-6 VDC outputs); 13-30 VDC (for 0-10, 2-10 VDC outputs); 5 VDC ±0.5 VDC (for 0.5-4.5 VDC ratio-metric output), 10-35 VDC (for 4-20 mA with -CB option); 13-35 VDC or isolated 16-33 VAC (for selectable output with -CB option).

**Output Signal:** 4-20 mA, 0-5 VDC, 1-5 VDC, 0-10 VDC, or 0.5-4.5 VDC, or selectable 0-5, 1-5, 0-10, 2-10 VDC for -CB option.

**Response Time:** 300 ms.

**Loop Resistance:** 0 to 1000 Ω max. R max = 50 (Vps-10) Ω (4-20 mA output), 0-1250 Ω max. Rmax = 50(Vps-10) Ω (4-20 mA output with -CB option), 5K Ω (0-5, 1-5, 1-6, 0-10, 2-10, 0.5-4.5 VDC output).

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

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

**Electrical Connections:** See model chart.

**Process Connection:** See model chart.

**Enclosure Rating:** NEMA 4X (IP66).

**Mounting Orientation:** Mount in any position.

**Weight:** 10 oz (283 g).

**Agency Approvals:** CE, NSF, UL.

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MODEL CHART									
Example	626	-00	-CH	-P1	-E1	-S1	-AT	626-00-CH-P1-E1-S1-AT	Price
Accuracy	626							0.25% full-scale accuracy	\$135.00
	628							1.0% full-scale accuracy	91.00
Range		00						0 to 15 psia <sup>Ⓢ</sup>	+26.75
		01						0 to 30 psia <sup>Ⓢ</sup>	+26.75
		02						0 to 50 psia <sup>Ⓢ</sup>	+26.75
		03						0 to 100 psia <sup>Ⓢ</sup>	+26.75
		04						0 to 200 psia <sup>Ⓢ</sup>	+26.75
		05						0 to 300 psia <sup>Ⓢ</sup>	+26.75
		06						0 to 5 psi	-
		07						0 to 15 psi	-
		08						0 to 30 psi	-
		09						0 to 50 psi	-
		10						0 to 100 psi	-
		11						0 to 150 psi	-
		12						0 to 200 psi <sup>Ⓢ</sup>	-
		13						0 to 300 psi <sup>Ⓢ</sup>	-
		14						0 to 500 psi <sup>Ⓢ</sup>	-
		22						0 to 600 psi <sup>Ⓢ</sup>	-
		15						0 to 1000 psi	-
		16						0 to 1500 psi <sup>Ⓢ</sup>	+26.75
		18						0 to 3000 psi	+26.75
	19						0 to 5000 psi	+26.75	
	26						0 to 8000 psi	+26.75	
	67						0 to 0.5 bar	-	
	71						0 to 2.5 bar	-	
	75						0 to 10 bar	-	
	81						0 to 40 bar	-	
Housing			CB					Conduit box housing	+37.75
			GH					General purpose housing	-
Process Connection				P1				1/4" male NPT	-
				P2				1/4" female NPT	-
				P3				1/4" male BSPT	-
				P5				1/4" female SAE with refrigerant valve depressor <sup>Ⓛ</sup>	-
				P9				1/2" male NPT <sup>Ⓢ</sup>	-
Electrical Connection					E1			Cable gland with 3' of prewired cable	-
					E3			Cable gland with 9' of prewired cable	+6.00
					E4			DIN EN 175801-803-C <sup>Ⓢ</sup>	+5.25
					E5			1/2" female NPT conduit <sup>Ⓢ</sup>	-
					E6			M-12 4 pin connector-UL <sup>Ⓢ</sup>	+13.50
					E8			Packard connector	-
				E9			M-12 4 pin connector non-UL	-	
Signal Output					S1			4-20 mA	-
					S2			1-5 VDC	-
					S4			0-5 VDC	-
					S5			0-10 VDC	-
					S7			0.5-4.5 VDC <sup>Ⓛ</sup> <sup>Ⓢ</sup>	-
					S8			Selectable 0-5, 1-5, 0-10, 2-10 VDC <sup>Ⓢ</sup>	-
Options						AT		Aluminum tag	+14.25
						LCD		LCD indication <sup>Ⓢ</sup>	+100.00
						NIST		NIST traceable certificate	+139.00 <sup>Ⓢ</sup>
						NW		NSF/ANSI 61/372 certified	+60.50

Ⓛ Available with -GH housing only, NEMA 4 (IP65)    Ⓢ Available with -CB housing only    Ⓢ Power requirement: 5 VDC ±10%  
 Ⓢ Available with -GH housing only    Ⓢ Absolute ranges for 626 are 0.5% FS accuracy and for 628 are 2% FS accuracy  
 Ⓢ UL listed pump controllers, fire-component on 4-20 mA "-S1" signal output models only - See online certificate for information and limitations  
**Note:** Bar and absolute ranges are only available with -GH housing.  
 Ⓢ Items are net priced and are not subject to any discount.

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

ACCESSORIES		
Model	Description	Price
A-164	16.4' (5 m) cable with M-12 4-pin female connector	\$29.75
A-62X-LCD	Field-upgradeable LCD	135.00
A-960	3' packard cable	17.00
A-961	9' packard cable	19.75
A-962	20' packard cable	20.75

PRESSURE  
Single Pressure Transmitters