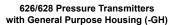
Dwyer

## USTRIAL PRESSURE TRANSMITTER

Complete Offering of Ranges, Connections and Outputs







626/628 Pressure Transmitters with Conduit Housing (-CH) and LCD display (-LED)



\*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 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
- Hvdraulic
- · 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 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

Response Time: 300 ms.

Loop Resistance: 0 to 1000 Ohms max. R max = 50 (Vps-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.

# INDUSTRIAL PRESSURE TRANSMITTER Complete Offering of Ranges, Connections and Outputs

Accuracy   626   628	Example								
Range		-	-	0	• •		٠.	7	
Range	Accuracy								
Oto 30 psia   Oto 30 psia   Oto 30 psia   Oto 50 psi   Oto 100 psi   Oto 500 psi   Oto 600 psi   Oto 600 psi   Oto 1000 psi   Oto 1000 psi   Oto 5000 psi   O	Range	0_0	00						,
O to 50 psia   O to 200 psia   O to 200 psia   O to 300 psia   O to 300 psia   O to 50 psi   O to 150 psi   O to 500 psi   O to 1500 psi   O to 500 psi   O to 500 psi   O to 500 psi   O to 1500 psi   O to 5000 psi   O to 0.5 bar   O to 10 bar   O to 40 bar	rungo								
0 to 100 psia   0 to 200 psia   0 to 5 psi   0 to 5 psi   0 to 15 psi   0 to 150 psi   0 to 500 psi   0 to 5000 psi   0 to 0 40 bar   0 to 0 40 bar   0 to 0 40 bar   0 to 10									
Ot 200 psia   Ot 200 psia   Ot 5 psi   Ot 50 psi   Ot 500			03						
0									
O 6			05						
0			06						
09			07						0 to 15 psi
10			08						0 to 30 psi
11			09						0 to 50 psi
12									
13			l						
14   22   0   0 to 500 psi   0 to 600 psi   0 to 1000 psi   0 to 1000 psi   0 to 1500 psi   0 to 1500 psi   0 to 1500 psi   0 to 15000 psi   0 to 5000 psi   0 to 8000 psi   0 to 8000 psi   0 to 8000 psi   0 to 10 bar   0 to 2.5 bar   0 to 1.5 bar   0 to 1.5 bar   0 to 1.0 bar   0 to 40 bar			I						
22									
15			I .						
16			I .						
18									
19									
26									
67									
T1   T5									
Housing  CH GH CH GH COnduit housing General purpose housing  Process Connection  P1 P2 P3 P5 P9 P5 P9 P6 P9 P1 P6 P8 P8 P8 P9 P8 P8 P9 P8									
CH GH									
GH   General purpose housing   Process Connection   P1			81						0 to 40 bar
Process Connection	Housing			СН					Conduit housing
P2	•			GH					General purpose housing
P3	Process Connection				P1				1/4" male NPT
P5					P2				1/4" female NPT
P9									
Electrical Connection  E1 E3 E4 E4 E5 E5 E6 E8 E8 Packard connector M-12 4 pin connector non-UL  Signal Output  S1 S1 S2 S4 Options  AT NIST LED S1 S1 S1 S1 S1 S1 S2 S4 S5 S6 S7 S1 S1 S1 S1 S1 S1 S1 S1 S2 S4 S5 S5 S6 S6 S7 S7 S7 S8 Aluminum tag NIST traceable certificate Bright red LED display ②3									
E3					P9				
E4	Electrical Connection					1			
E5									
E6									
E8   Packard connector   M-12 4 pin connector non-UL									
E9									
S1									
S2	Cianal Outant					Ea	01		•
S4	Signal Output								
S5									
S7 0.5 to 4.5 VDC ①④  Options AT Aluminum tag  NIST NIST LED Bright red LED display ②③							_		
Options  AT  NIST  NIST traceable certificate  LED Bright red LED display ②3									
NIST NIST traceable certificate LED Bright red LED display ②3	Ontions						Ü,	AT	
LED Bright red LED display ②③	- Paris							1	
	Δvailable with CH ha	Lieina	Only	NEN	Δ / /	D65)	0		

<b>PRESSU</b>	PRESSURE LIMITS							
Range Number	Pressure Range	Maximum Pressure (psig)		Range Number		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		
A-164	16.4' (5 m) cable with M-12 4-pin female connector		
	3' packard cable		
A-961	9' packard cable		
A-962	20 <sup>2</sup> packard cable		