

Series 626 &

628

# **Industrial Pressure Transmitter**

Complete Offering of Ranges, Connections and Outputs





General Purpose Housing (-GH)



General Purpose Housing (-GH) with DIN C



626 with LED Display (CH housing only)



Conduit Housing (-CH)

\*Please see our website for dimensional drawings.

The Series 626 Pressure Transmitters possess a highly precise 0.25% 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 ranges of vacuum, compound to 5000psi with a variety of optional outputs, process connections and electrical terminations to allow you to select the right transmitter for your application.  $\,$ 

#### **APPLICATIONS**

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

### **FEATURES**

- · Metal conduit housing option
- · Robust 316 SS oil filled sensor
- · Compact design

#### **SPECIFICATIONS**

Service: Compatible gases and liquids. Wetted Materials: Type 316L SS.

#### Accuracy:

626: 0.25% FS; : 0.20% RSS;

628: 1.0% FS; · 0.5% RSS

626 Absolute Ranges: 0.5% FS; : 0.35% 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: 13-30 VDC (for 4-20 mA, 0-5 VDC, 1-5 VDC, 0-10 VDC);

5 VDC ±10% (for 0.5-4.5 VDC).

Output Signal: 4-20 mA, 0-5 VDC, 1-5 VDC, 0-10 VDC, or 0.5-4.5 VDC. Response Time: 50 ms.

**Loop Resistance:** 0 - 1300  $\Omega$  max for current. For voltage outputs, min load

resistance: 2000 O

Stability: 1.0% FS/year (Typ.). Current Consumption: 38 mA (max).

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.

## **Pressure Limits**

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

#### **Ordering Chart**

Accuracy 626 628  Range  -00 -01 -01 -02 -03 -03 -04 -05 -06 -07 -08 -09 -10 -09 -10 -11 -12 -13 -14 -22 -13 -14 -22 -15 -16 -16 -18 -18 -00 -01 -02 -03 -03 -04 -05 -06 -07 -07 -08 -09 -10 -10 -11 -12 -13 -14 -14 -15 -15 -16 -18 -18 -18 -10 -155% Full-Scale Accuracy -0.5 Full-Scale Accuracy -0.15 psi -0.40 -0.15 psi -0.50 psi -0.50 psi -0.50 psi -0.50 psi -0.500 psi
Range   -00   0-15 psia   0-30 psia   0-50 psia   0-50 psia   0-20 psia   0-50 psi   0-50 psi   0-50 psi   0-50 psi   0-50 psi   0-50 psi   0-10 psi   0-150 psi   0-100 psi   0-500 psi   0-1000 psi   0-1500 psi   0-
Range
-01
0-50 psia 0-100 psia 0-100 psia 0-200 psia 0-200 psia 0-300 psia 0-300 psia 0-50 psi 0-50 psi 0-15 psi 0-15 psi 0-10 0-100 psi 0-10 0-150 psi 0-10 0-200 psi 0-200 psi 0-200 psi 0-30 psi 0-41 0-600 psi 0-1000 psi 0-1000 psi 0-1000 psi 0-1000 psi 0-1000 psi
0-100 psia 0-200 psia 0-200 psia 0-300 psia 0-5 psi 0-5 psi 0-15 psi 0-30 psi 0-30 psi 0-50 psi 0-50 psi 10 0-150 psi 11 0-200 psi 12 0-200 psi 13 0-500 psi 14 0-500 psi 1-14 0-500 psi 1-15 0-600 psi 1-15 0-1000 psi 0-1000 psi 0-1500 psi 0-1500 psi 0-1500 psi
-04 -05 -06 -07 -08 -09 -10 -11 -12 -13 -14 -22 -13 -14 -22 -15 -16
-04 -05 -06 -07 -08 -09 -10 -11 -12 -12 -13 -14 -22 -15 -16 -07 -08 -09 -10 -10 -11 -12 -10 -11 -12 -10 -10 -10 -11 -10 -10 -10 -10 -11 -10 -10
-05   0-300 psia   0-5 psi   0-15 psi   0-15 psi   0-30 psi   0-30 psi   0-30 psi   0-50 psi   0-100 psi   0-100 psi   0-200 psi   0-200 psi   0-300 psi   0-500 psi   0-500 psi   0-500 psi   0-500 psi   0-150 psi   0-150 psi   0-1500 psi
-06 -07 -08 -09 -10 -11 -12 -13 -14 -22 -15 -16 -07 -08 0-15 psi 0-30 psi 0-100 psi 0-150 psi 0-200 psi 0-300 psi 0-300 psi 0-300 psi 0-400 psi 0-600 psi 0-1000 psi
0-15 psi 0-30 psi 0-9 0-10 0-150 psi 0-100 psi 0-150 psi 0-150 psi 0-200 psi 0-300 psi 0-300 psi 0-400 psi 0-500 psi 0-600 psi 0-1000 psi 0-1000 psi 0-1000 psi
0-30 psi 0-50 psi 0-10 0-100 psi 0-11 0-150 psi 0-200 psi 0-30 psi 0-100 psi 0-100 psi 0-150 psi 0-200 psi 0-300 psi 0-500 psi 0-600 psi 0-15 0-1000 psi 0-1500 psi
-09 -10 -11 -12 -13 -14 -22 -15 -15 -16 -16 -17 0-50 psi 0-100 psi 0-150 psi 0-200 psi 0-200 psi 0-300 psi 0-500 psi 0-600 psi 0-1000 psi 0-1500 psi
-10
-11
-12
-13
-14 -22 -15 -16 -10 -10 -10 -10 -10 -10 -10 -10
-22 -15 -16 0-600 psi 0-1000 psi 0-1500 psi
-15 -16 0-1000 psi 0-1500 psi
-16 0-1500 psi
-18         U-3000 DSI
-19 0-5000 psi
-26 0-8000 psi
-67 0-0.5 bar
-71   0-2.5 bar
-75 0-10 bar
-81 0-40 bar
Housing Conduit Housing
-GH General Purpose Housing
Process         -P1         1/4" male NPT
Connection -P2 1/4" female NPT
-P3 1/4" male BSPT
-P5 1/4" female SAE with Refrigerant Valve Depressor ①
-P9 1/2" male NPT ①
Electrical -E1 Cable Gland with 3' of Prewired Cable
Connection   -E3   Cable Gland with 9' of Prewired Cable
-E4   DIN EN 175801-803-L ①
-E5 1/2" female NPT Conduit ©
-E6 M-12 4 Pin Connector
Signal Output   -S1   4-20 mA
-S2   1-5 VDC
-S4   0-5 VDC
-S7 0.5-4.5 VDC ①
Options                     -AT   Aluminum Tag
NIST Traceable Certificate
-LED   Bright Red LED display @3

- Available with -GH Housing only
   Available with -CH Housing only
   LED option is not NEMA 4X (IP66)
- Power Requirement: 5 VDC ±10%