Industrial Pressure Transmitter/Transducer

Series 626 & 628

The Series 626 & 628 Pressure Transmitters are rugged, compact devices designed for precise pressure measurement in harsh environments. Featuring a piezo-resistive sensor and corrosion-resistant 316L stainless steel wetted parts. Available in multiple pressure ranges, output types, and configurations, they ensure reliable performance in extreme conditions.

Key Benefits & Features

Durability

- Robust 316L SS oil filled sensor provides shock and vibration resistance insuring stability.
- NEMA 4X rated enclosure provides protection in harsh environments.
- Optional features like freeze/thaw protection, vibration resistance, and overpressure protection to safeguard against extreme environmental factors and operational stress.

Perfromance & Reliability

- A wide range of models and connections that can meet pressure measurement specifications from low to very high.
- Protects against traditional failure points such as pressure surges, pump cavitation, and environmental extremes.
- Designed to deliver accurate pressure measurement for both simple and complex processes.

Key Specifications

Wetted Materials: Type 316 SS

Electrical Connection: Model dependent options: Wire end, Hirschman DIN EN 175801-803-C, Packard, Deutsch, M12.

Response Time: 300 MS

Enclosure Rating: NEMA 4X (IP66)

Mounting Orientation: Mount in any position

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 ratiometric output).

Process Connections: Model dependent options: 1/8", 1/4", 1/2" male NPT; 1/4" female NPT; 1/4" male or female BSPT; 1/8" or 1/4" male BSPP ISO 1179; 1/4" female SAE valve depressor.

SignalOutput: 4 to 20 mA or 0 to 5 VDC Available Upon Request: 1 to 5 VDC

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).

Weight: 10 oz (283 g)

Compliance: Standard: CE; Optional: NSF/ANSI 61/372, ANSI/UL 218, ANSI/UL 508, NEPA 20.

Loop Resistance: 0-1000 Ω max. R max = 50 (Vps-10) Ω (4-20 mA output), 5 K Ω min (0-5, 1-5, 0.5-4.5 VDC output), 15 K Ω min(1-6, 0-10, 2-10 VDC output).

Service: Compatible gases and liquids

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 maxumum (for all 626/628/629-CH with optional LED).

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

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

Thermal Effect: 626: ±0.02 % FS/ °F; 628: ±0.04 % FS/ °F (includes zero and span).

Display: Optional 4-1/2 digit LCD field attachable display. For -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. For -CB option.

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	11	0 to 150 psig	300	750
30	15 to 0 psia	30	45	12	0 to 200	400	1000
06	0 to 5 psig	10	50	13	0 to 300	600	1500
07	0 to 15 psig	30	150	14	0 to 500	1000	2500
08	0 to 30 psig	60	300	15	0 to 1000	2000	5000
09	0 to 50 psig	100	300	16	0 to 1500	3000	5000
10	0 to 100 psig	200	500	18	0 to 3000	6000	7500

Common Applications

- Booster Stations
- Compressors
- Hydraulic
- Pumping Systems
- Irrigation Equipment
- PTO Systems
- Submersible Pump Control
- Industrial Process Monitoring

How to Order

Use the Bold characters from the chart to construct a product code.

626 **-05** **-GH** **-P3** **-E1** **-S1** **-NIST**

SERIES
626: 0.25% full scale accuracy
628: 1.0% full scale accuracy

RANGE
-00: 0 to 15 psia*
-01: 0 to 30 psia*
-02: 0 to 50 psia*
-03: 0 to 100 psia*
-04: 0 to 200 psia*
-05: 0 to 300 psia*
-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
-13: 0 to 300 psi
-14: 0 to 500 psi
-22: 0 to 600 psi
-15: 0 to 1000 psi
-16: 0 to 1500 psi
-18: 0 to 3000 psi
-19: 0 to 5000 psi
-26: 0 to 8000 psi
-67: 0 to 0.5 bar*
-71: 0 to 2.5 bar*
-75: 0 to 10 bar*
-81: 0 to 40 bar*

*Only available on -GH housing models

HOUSING
-CB: Conduit box housing
-GH: General purpose housing

PROCESS CONNECTIONS
-P1: 1/4″ male NPT
-P2: 1/4″ female NPT
-P3: 1/4″ male BSPT
-P5: 1/4″ female SAE with refrigerant valve depressor
-P9: 1/2″ male NPT

ELECTRICAL CONNECTIONS
-E1: Cable gland with 3′ of prewired cable
-E3: Cable gland with 9′ of prewired cable
-E4: DIN EN 175801-803-C
-E5: 1/2″ female NPT conduit
-E6: M-12 4-pin connector UL listed
-E8: Packard connector
-E9: M-12 4-pin connector non-UL listed

SIGNAL OUTPUT
-S1: 4-20 mA
-S2: 1-5 VDC
-S4: 0-5 VDC
-S5: 0-10 VDC
-S7: 0.5-4.5 VDC
-S8: 0-5, 1-5, 0-10, 2-10 VDC

OPTIONS
-AT: Aluminum tag
-LED: Bright red LED display
-NIST: NIST traceable calibration certificate
-NW: NSF/ANSI 61/372 certified