

SERIES 626 & 628 | INDUSTRIAL PRESSURE TRANSMITTER/TRANSDUCER

FEATURES/BENEFITS

Standard:

- NEMA 4X rated enclosure
- Robust 316L SS oil filled sensor
- CE Approved Design
- 626: 0.25% FS
- 628: 1.0% FS

Optional:

- Advanced environmental protection
- C-276 wetted materials
- Digital or Analog Outputs (I²C)
- Custom range configuration
- Overpressure and/or vacuum protection



APPLICATIONS

- Booster stations
- Pumping systems
- Irrigation equipment
- PTO systems
- Submersible pump control

DESCRIPTION

The **SERIES 626 & 628** Pressure Transmitters feature a piezo-resistive sensor contained in a compact, rugged, NEMA 4X (IP66) stainless steel general purpose housing or cast aluminum conduit housing.

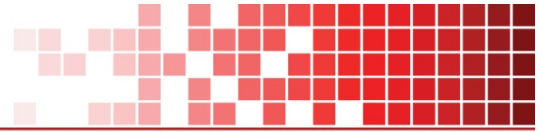
Dwyer offers optional configurations to address multiple common points of failure that have traditionally challenged the use of similar products in extreme conditions. The 626 & 628 are uniquely suited for precision irrigation and additional outdoor power equipment applications. The corrosion resistant 316L stainless steel wetted parts allow the Series 626 & 628 transmitters to measure pressure in a multitude of processes from simple irrigation systems to chemical dosing and injection systems. Optional wetted materials such as C-276 offer chemical compatibility with aggressive media. The 626 & 628 can be configured to provide advanced environmental protection. This includes, but is not limited to, freeze/thaw protection for outdoor cold weather applications, vibration resistance, and/or overpressure protection to protect the sensors against pressure surges or pump cavitation. The Series 626 & 628 are available in absolute and gage pressure ranges with a variety of optional outputs, process connections, electrical terminations, and select agency approvals to allow you to select the correct transmitter for your application.

Contact Dwyer Instruments today to discuss your specific application needs.

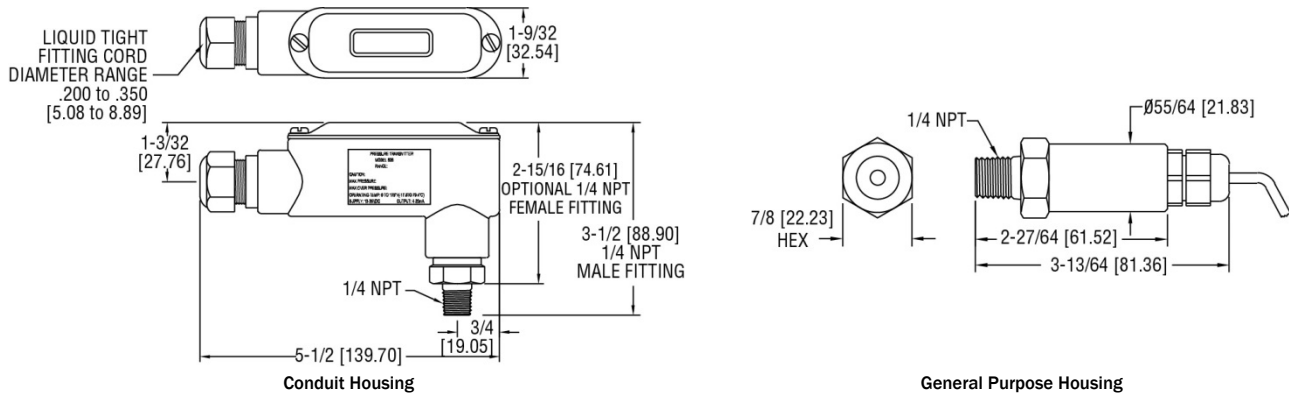
SPECIFICATIONS

Service	Compatible gases and liquids.
Wetted Materials	Type 316L SS. (Consult factory for additional options)
Accuracy	626: 0.25% FS, 0.20% RSS; 628: 1.0% FS, 0.5% RSS; 626 Absolute Ranges: 0.5% FS, 0.30% RSS. (Includes linearity, hysteresis, and repeatability).
Temperature Limits	0 to 200 °F (-18 to 93 °C).
Compensated Temperature Range	0 to 175 °F (-18 to 79 °C).
Thermal Effect	±0.2% FS/°F (includes zero and span).
Pressure Limits	See table on catalog page.
Display	Optional 4-1/2 digit LCD field attachable display.
Power Requirements	10 to 30 VDC (for 4 to 20 mA, 0 to 5, 1 to 5, VDC outputs); 13 to 30 VDC (for 0 to 10 VDC output); 5 VDC ±0.5 VDC (for 0.5 to 4.5 VDC ratiometric output).
Output Signal	4 to 20 mA, 0 to 5 VDC, 1 to 5 VDC, 0 to 10 VDC, or 0.5 4.5 VDC Ratiometric; I ² C (Factory configured)
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, 0 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, 0 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 Connections	1/4" male or female NPT and BSPT.
Enclosure Rating	NEMA 4X (IP66).
Weight	10 oz (283 g).
Agency Approvals	Standard: CE; Optional: NSF 61, NSF 372, ANSI/UL 218, ANSI/UL 508, NEPA 20





DIMENSIONS



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code

	626	-05	-CH	-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							
								OPTIONS -AT - Aluminum tag -LED - Bright red LED display -NIST - NIST traceable calibration certificate
								SIGNAL OUTPUT -S1 - 4 to 20 mA -S2 - 1 to 5 VDC -S4 - 0 to 5 VDC -S5 - 0 to 10 VDC -S7 - 0.5 to 4.5 VDC
								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
								PROCESS CONNECTIONS -P1 - 1/4" male NPT -P2 - 1/4" female NPT -P3 - 1/4" male BSPT -P5 - 1/4" female SAE w/ refrigerant valve depressor -P9 - 1/2" male NPT
								HOUSING -CH - Conduit housing -GH - General purpose housing

*Only available on -GH housing models

ACCESSORIES

Model	Description	Model	Description
A-164	16.4' (5 m) cable with M-12 4-pin female connector	A-961	9' (3 m) Packard cable
A-960	3' (1 m) Packard cable	A-962	20' (7 m) Packard cable

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