Transducer

OEM Transducer

Series 623, 624, 625, 626, 627

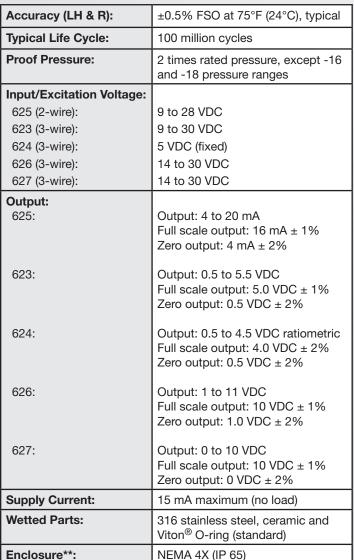
Features

- UL and cUL approved
- Compact size
- Stainless steel construction
- Ceramic sensor technology
- Current and voltage outputs
- ▶ 0.5% accuracy

Applications

- Water irrigation systems
- Medical gas systems
- HVAC systems
- Pumps and compressors
- Machine tools
- Hydraulic and pneumatic applications
- Mobile hydraulics
- General industrial applications

General Specifications*





	Pressure Connection:	1/4" NPT standard.		
l		Other options available.		
	Electrical Connection:	PVC jacketed cable standard. Other options available.		
Į	Temperature Ranges:			
	Operating:	-40°F to +185°F (-40°C to +85°C)		
	Compensated:	30°F to +130°F (-1°C to +54°C)		
	Storage:	-40°F to +185°F (-40°C to +85°C)		
	Temperature Shift: Zero and Span:	±0.06% FS/K over operating temperature range		
	Vibration:	15 g's, 10-2000 Hz, MIL-STD 202		
	Approval ¹ :	UL File E302981, to UL 508, as Industrial Control Equipment (NMTR, NMTR7), and to UL 61010-1, as Process Control Equipment (QUYX, QUYX7).		
	Shock:	50 g's, 11 ms, MIL-STD 202 Method 213, Cond. G.		
	Weight:	5.1 oz (145 grams) (typical)		
	Warranty:	1 year		
1	1 Conditions of Use: Class 2 power source. Type 4X indoor, 122°F (50°C) max, ambient			

1. Conditions of Use: Class 2 power source, Type 4X indoor, 122°F (50°C) max. ambient.

Wiring Code

Electrical Termination		Voltage Output	Current Output	Current Output
НЗ	H4 / T4/ T5	Series 623/624/626/627	Series 625	Series 625-H4 (-Q21)
Red	1	+ Excitation	+ Excitation	Common
Black	2	Common	- Excitation	Not used
White	3	+ Output	Not used	+ Excitation
Drain	4	Case Ground	Case Ground	Case Ground

Pin Out Diagram







* See product configurator for additional options

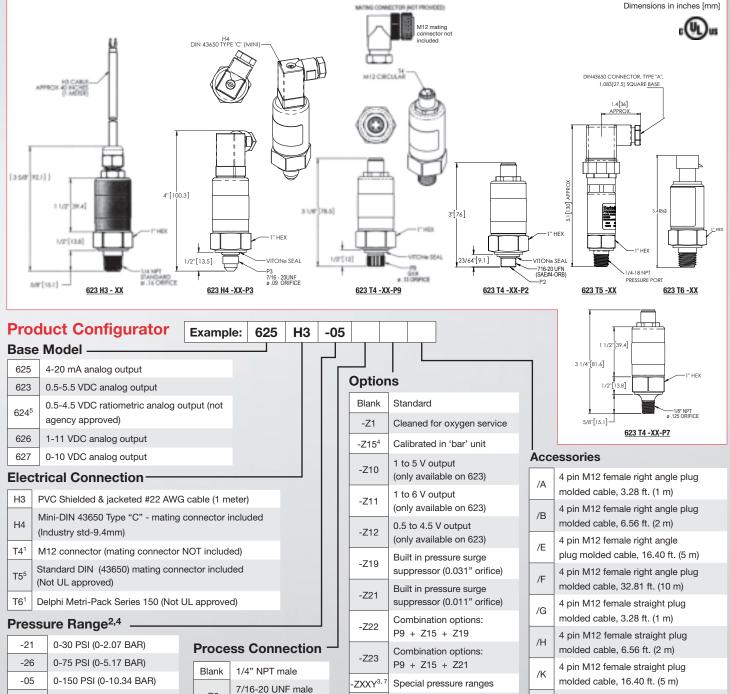
** Mating connector must be properly installed to preserve enclosure rating



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Technical Drawings



0-150 PSI (0-10.34 BAR) -05 -07 0-300 PSI (0-20.69 BAR) -27 0-750 PSI (0-51.71 BAR) 0-1500 PSI (0-103.42 BAR) -11 -13 0-3000 PSI (0-206.9 BAR) -16⁸ 0-6000 PSI (0-413.7 BAR) -18^{5, 6, 7, 9} 0-8700 PSI (0-600 BAR)

Note: 1. Mating connector not included

- 2. Other ranges available with the use of -ZXXY Option. Consult factory.
- Add suffix ZXXY for special pressure range calibration. XX = significant digits. Y = number of trailing zeros. Example: 130 psi calibration: add -Z131.

-P3

-P2

(JIC 37°)

G1/4 male

(gasket seal)

1/8" NPT male

7/16-20 SAE #4 ORB

4. To calibrate unit in 'BAR', select the closest pressure range then add suffix '-Z15' and 'ZXXY'. Example: 15 bar = 625H3-07-Z15-Z150

/L

/P

No agency approvals

(H3 option)

Built with 0.011 orifice on pressure port

Specify cable length in inches

Use with 625H4 only. (See

Page 1 for pinout information)

- 7. 8,700 PSI (600 BAR) range is not available with special pressure ranges
- Proof pressure is 9000 PSI 9. Proof pressure is 11,000 PSI
- 10. Only up to 3,000 PSI

4 pin M12 female straight plug molded

4 pin M12 female straight connector

4 pin M12 female right angle connector

cable, 32.81 ft. (10 m)

-Wxxx

-Q21