OEM Transducer

Series 623, 624, 625, 626, 627

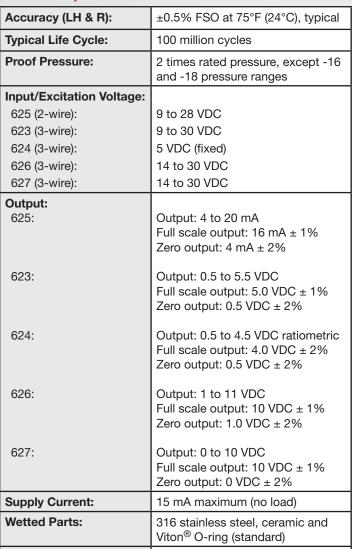
Features

- 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. Other options available.
	Electrical Connection:	PVC jacketed cable standard. Other options available.
	Temperature Ranges: Operating: Compensated:	-40°F to +185°F (-40°C to +85°C) 30°F to +130°F (-1°C to +54°C)
l	Storage:	-40°F to +185°F (-40°C to +85°C)
	Temperature Shift: Zero and Span:	±0.06% FS/K over operating temperature range
l	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
п	1 Conditions of Llas: Class 2 navyor source. Type 4V indeer 122°E (50°C) may ambient	

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

Wiring Code

Electrical T	ermination	Voltage Output	Current Output	Current Output
нз	H4 / T4	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

T4 Pin Out Diagram



Enclosure**:

NEMA 4X (IP 65)

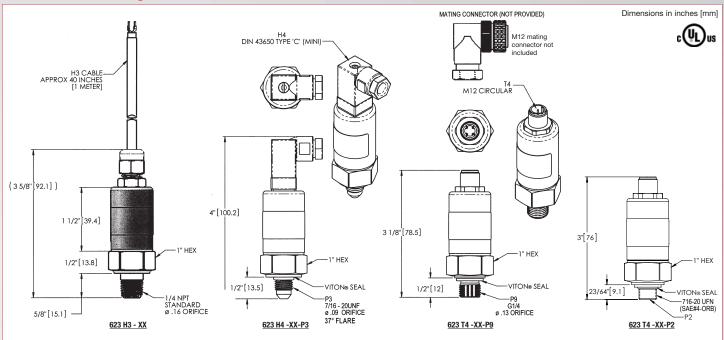
^{*} See product configurator for additional options

^{**} Mating connector must be properly installed to preserve enclosure rating

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Technical Drawings



Product Configurator

Example: 625 | H3 | -05 |

Base Model ———————			
Dage Wodel			
	625	4-20 mA analog output	
	623	0.5-5.5 VDC analog output	
	624 ⁵	0.5-4.5 VDC ratiometric analog output (not agency approved)	
	626	1-11 VDC analog output	
	627	0-10 VDC analog output	

Electrical Connection

НЗ	PVC Shielded & jacketed #22 AWG cable (1 meter)
H4	Mini-DIN 43650 Type "C" - mating connector included (Industry std-9.4mm)
T4 ¹	M12 connector (mating connector NOT included)

Pressure Range^{2,4}

-21	0-30 PSI (0-2.07 BAR)
-26	0-75 PSI (0-5.17 BAR)
-05	0-150 PSI (0-10.34 BAR)
-07	0-300 PSI (0-20.69 BAR)
-27	0-750 PSI (0-51.71 BAR)
-11	0-1500 PSI (0-103.42 BAR)
-13	0-3000 PSI (0-206.9 BAR)
-16 ⁸	0-6000 PSI (0-413.7 BAR)
-18 ^{5, 6, 7, 9}	0-8700 PSI (0-600 BAR)

Process Connection

Blank	1/4" NPT male
Diam	1/4 IVI I IIIdio
-P3	7/16-20 UNF male (JIC 37°)
-P9	G1/4 male (gasket seal)
-P2	7/16-20 SAE #4 ORB

Options

Blank	Standard
-Z1	Cleaned for oxygen service
-Z15 ⁴	Calibrated in 'bar' unit
-Z10	1 to 5 V output (only available on 623)
-Z11	1 to 6 V output (only available on 623)
-Z12	0.5 to 4.5 V output (only available on 623)
-Z19	Built in pressure surge suppressor (0.031" orifice)
-Z21	Built in pressure surge suppressor (0.011" orifice)
-Z22	Combination options: P9 + Z15 + Z19
-Z23	Combination options: P9 + Z15 + Z21
-ZXXY ^{3, 7}	Special pressure ranges
-Wxxx	Specify cable length in inches (H3 option)
-Q21	Use with 625H4 only. (See Page 1 for pinout information)

Accessories

/A 4 pin M12 female right angle plug molded cable, 3.28 ft. (1 m) /B 4 pin M12 female right angle plug molded cable, 6.56 ft. (2 m) /E 4 pin M12 female right angle plug molded cable, 16.40 ft. (5 m) /F 4 pin M12 female right angle plug molded cable, 32.81 ft. (10 m) /G 4 pin M12 female straight plug molded cable, 3.28 ft. (1 m) /H 4 pin M12 female straight plug molded cable, 6.56 ft. (2 m) /K 4 pin M12 female straight plug molded cable, 16.40 ft. (5 m) /L 4 pin M12 female straight plug molded cable, 32.81 ft. (10 m) /L 4 pin M12 female straight plug molded cable, 32.81 ft. (10 m) /M 4 pin M12 female straight connector /P 4 pin M12 female right angle connector		
/B molded cable, 6.56 ft. (2 m) 4 pin M12 female right angle plug molded cable, 16.40 ft. (5 m) 4 pin M12 female right angle plug molded cable, 32.81 ft. (10 m) 4 pin M12 female straight plug molded cable, 3.28 ft. (1 m) 4 pin M12 female straight plug molded cable, 6.56 ft. (2 m) 4 pin M12 female straight plug molded cable, 16.40 ft. (5 m) /L 4 pin M12 female straight plug molded cable, 32.81 ft. (10 m) 4 pin M12 female straight plug molded cable, 32.81 ft. (10 m) 4 pin M12 female straight connector 4 pin M12 female right angle	/A	'
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/M connector 4 pin M12 female right angle	/L	' " " " " " " " " " " " " " " " " " "
/P '	/M	
	/P	'

Note: 1. Mating connector not included

- 2. Other ranges available with the use of -ZXXY Option. Consult factory.
- 3. Add suffix ZXXY for special pressure range calibration. XX = significant digits. Y = number of trailing zeros. Example: 130 psi calibration: add -Z131.
- 4. To calibrate unit in 'BAR', select the closest pressure range then add suffix '-Z15' and 'ZXXY'. Example: 15 bar = 625H3-07-Z15-Z150
 5. No agency approvals
- 6. Built with 0.011 orifice on pressure port
- 7. 8,700 PSI (600 BAR) range is not available with special pressure ranges
- 8. Proof pressure is 9000 PSI
- 9. Proof pressure is 11,000 PSI

Barksdale