# Transducer

## **OEM Transducer**

Series 623, 624, 625, 626, 627

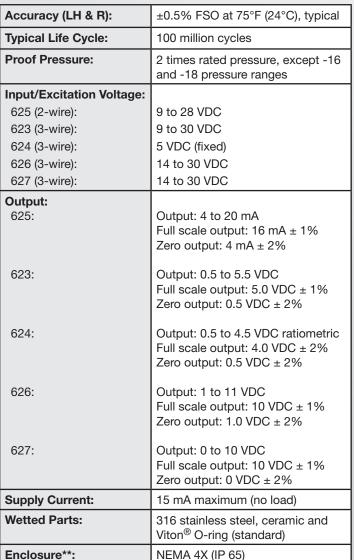
#### **Features**

- 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\***





1	_			
l	Pressure Connection:	1/4" NPT standard.		
1		Other options available.		
	Electrical Connection:	PVC jacketed cable standard. Other options available.		
l	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 <sup>1</sup> :	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.		
	Shock: Weight:	9 1		
		213, Cond. G.		

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

#### **Wiring Code**

3					
Electrical T	ermination	Voltage Output	<b>Current Output</b>	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.

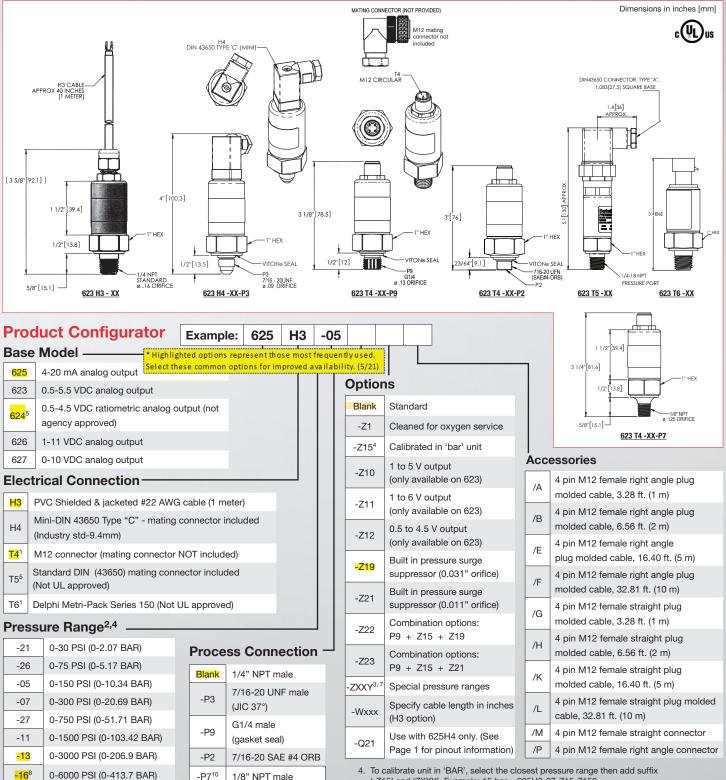
\*\* Mating connector must be properly installed to preserve enclosure rating



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#### Technical Drawings



Note: 1. Mating connector not included

0-8700 PSI (0-600 BAR)

-18<sup>5, 6, 7, 9</sup>

- 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.
- '-Z15' and 'ZXXY'. Example: 15 bar = 625H3-07-Z15-Z150
- No agency approvals
- Built with 0.011 orifice on pressure port
- 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

3211 Fruitland Avenue • Los Angeles, CA 90058 • 2800-835-1060 • Fax: 323-589-3463 • www.barksdale.com CONTROL PRODUCTS