Barksdale

Standard Features:

Transducer and Transmitter

Explosion Proof

Series 423X (0-5 V) Series 425X (4-20 mA) Series 426X (0-10 V)



$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Transducer	Pressure Range [*]	Pressure Range [*]
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Dash Number	(PSIG)	(PSIA)
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-23 0 - 29" Hg		29" Hg
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-01	0 - 15	0 - 15
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-03	0 - 50	0 - 50
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-22	0 - 60	0 - 60
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-04	0 - 100	0 - 100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-05	0 - 150	0 - 150
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-06	0 - 200	0 - 200
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-07	0 - 300	0 - 300
$\begin{array}{c ccccc} -12 & 0 & -2,000 \\ \hline -13 & 0 & -3,000 \\ \hline -14 & 0 & -4,000 \\ \hline -15 & 0 & -5,000 \\ \hline -16 & 0 & -6,000 \\ \hline -17 & 0 & -7,500 \\ \hline \end{array}$	-08	0 - 500	
-13 0 - 3,000 -14 0 - 4,000 -15 0 - 5,000 -16 0 - 6,000 -17 0 - 7,500	-10	0 - 1,000	
-14 0 - 4,000 -15 0 - 5,000 -16 0 - 6,000 -17 0 - 7,500	-12	0 - 2,000	
-15 0 - 5,000 -16 0 - 6,000 -17 0 - 7,500	-13	0 - 3,000	
-16 0 - 6,000 -17 0 - 7,500	-14	0 - 4,000	
-17 0 - 7,500	-15	0 - 5,000	
	-16	0 - 6,000	
-18 0 - 10,000	-17	0 - 7,500	
	-18	0 - 10,000	

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* Refer to sales drawing for additional pressure ranges

Physical Explosion-Proof Wetted Material 300 & 17-4 PH Series Stainless Steel Welded Stainless Steel Construction NEMA 4X, 300 Series Stainless Steel Enclosure: • NEMA 4X Enclosure Rating Pressure Connection: 1/4-18 NPT male (standard) • UL & C-UL Listed Electrical Connection: 1/2-14 NPT male conduit Class I, Division I, Groups A, B, C & D (w/4 conductor, 22 AWG, 3 foot, Class II, Division I, Groups E, F & G PVC jacketed & shielded cable) • EMI, ESD & RFI Protection Pressure Snubber: 2000 PSI and above (standard) Stable, Diffused Silicon Sensor Surface Mounted Conformal Coated Circuit **Environmental** Built-In High Pressure Snubber -40°F to +185°F **Operating Temp:** • 0.25% Accuracy (-40°C to +85°C) **Compensated Temp: Performance Characteristics*:** +30°F to +130°F (-1°C to +54°C) 423X: Accuracy (LH & R): ±0.25% FSO 425X: 0°F to +160°F (-18°C to +71°C) Repeatability: ±0.15% 426X: +30°F to +130°F (-1°C to +54°C) Typical Life: 100 million cycles **Temperature Shift:** Proof Pressure: 2X rated pressure or 13,000 PSI (884 bar), (Zero and Span) ±0.0125% per °F over compensated temperwhichever is less ature range Warranty: 3 years **Standard Options Excitation Voltage:** Absolute Pressure -A 9 to 30 VDC 423X: -P4 1/2-14 NPT male pressure connection 12 to 28 VDC (See sales drawing) 425X: -P5 1/2-14 NPT female pressure connection 426X: 14 to 30 VDC -P6 1/4-18 NPT female pressure connection -WXX Non-standard cable length Output Signal: (XX indicates length in inches) 0.5 to 5.5 VDC (standard) 423X: Non-standard calibrated pressure range -ZXXY 425X: 4-20 mA (XX=Significant Digits, Y=Number of Zeroes) 426X: 1 to 11 VDC (standard)

Transducer Nomenclature

 423X-01-A-P4

 Pressure Range (0-15, etc.)

 Absolute Pressure (Omitting = Gage)

 Pressure Port or Additional Option (Omitting = ¼ NPT Male)

 If more than one option is chosen keep adding dash numbers as needed.

*Definitions are in accordance with ANSI/ISA S37.1-75

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