Explosion Proof Transducer (Amplified) Series 423X, 425X, 426X

Features

- Diffused silicon sensor for high accuracy
- Explosion proof enclosure for hazardous locations
- Superior EMI, ESD and RFI protection
- Rugged stainless steel construction
- NEMA 4X, 7 and 9
- ATEX/IECEx certification for 425X Series only
- Modular concept
- Built-in high pressure snubber (2000 psi and above)
- cULus, CE approved

Applications

- Oil & gas pipelines
- Oil patch
 - Petrochemical plants
- Refineries
- Pulp and paper mills

General Specifications*

- Coal and oil fired power plants
- Cement plants
 - Gas transfers for fuel systems
 - Gas panels
 - Gas mixing systems



7.4 oz. (221 grams) to 1000 psi

7.4 oz. (210 grams) to 1000 psi

1 year warranty

9.9 oz. (281 grams) 2,000 psi and higher

9.4 oz. (266 grams) 2,000 psi and higher

General Specifi	cations		
Accuracy (LH & R):	±0.25% BSL (±0.5% for vacuum only [-23])	Enclosure:	NEMA 4, 300 series stainless steel
Long Term Stability:	±0.5% FSO of calibration curve	Pressure Connection:	1/4"-18 NPT male
Typical Life Cycle:	100 million cycles	Electrical	3 conductor for voltage series and 2 conductor
Proof Pressure:	2 times rated pressure or 13,000 psi max. (884 bar), whichever is less	Connection:	for current series, 24 awg, PVC jacketed, shielded cable, 3 ft. (1 m) long with integral strain relief and case ground (standard).
Input: 423X:	Excitation voltage: 9 to 28 VDC	Temperature Ranges: Operating:	-40° to 185°F (-40° to 85)°C
426X:	Excitation voltage: 14 to 28 VDC	Compensated:	30° to 160°F (-1° to 71)°C
425X:	Excitation voltage: 12 to 28 VDC	Storage:	-40° to 185°F (-40° to 85)°C
Supply Current:	3.0 mA maximum (no load)	Temperature Shift:	
Output: 423X:	Output: 0.5 to 5.5 VDC	Zero & Span:	0.0125% per °F over compensated range 75°F reference
	Full scale output: $5.0 \text{ VDC} \pm 0.8\%$ Zero output: $0.5 \text{ VDC} \pm 0.4\%$	Vibration:	15 g's, 10-2000 Hz, MIL-STD 202
426X:	Output: 1 to 11 VDC	Shock:	50 g's, 11 mS, MIL-STD 202 Method 213, Cond. G.
	Full scale output: 10 VDC ± 1% Zero output: 1.0 VDC ± 2%	Approvals: All:	cULus approved as telemetering equipment for use in hazardous locations (UL File E146589, WYMV, WYMV7) as follows:
425X:	Output: 4 to 20 mA Full scale output: 16 mA ± 1% Zero output: 4 mA ± 2%		Class I, Div. 1, Groups A, B, C & D Class II, Groups E, F & G.
Wetted Parts:	17-4 PH (fitting)** & 316 stainless steel (sensor)	425X only:	ATEX/IECEx Certification:
* See product configurator for additional options. ** Consult factory for 316SS option			CE 0081 ⟨ ii 2 G D, Ex d IIC 91°C (T5) Gb, Ex tb IIIC T100°C Db IP66, -40°C ≤ Tamb ≤ 85°C, DEMKO 04 ATEX 0334369, IECEX UL 13.0036X

MILLIVOLT S	Wiring Code	
Cable	Signal	
Red	+ Excitation	
White	+ Output	
Black	Common	
Bare	Drain	
MILLIAM		
Red	+ Excitation	
Black	- Excitation	
Bare	Drain	

Barksda	le
CONTROL PRODUC	стѕ
CRANE Barksdale, Inc./Barksdale GmbH	

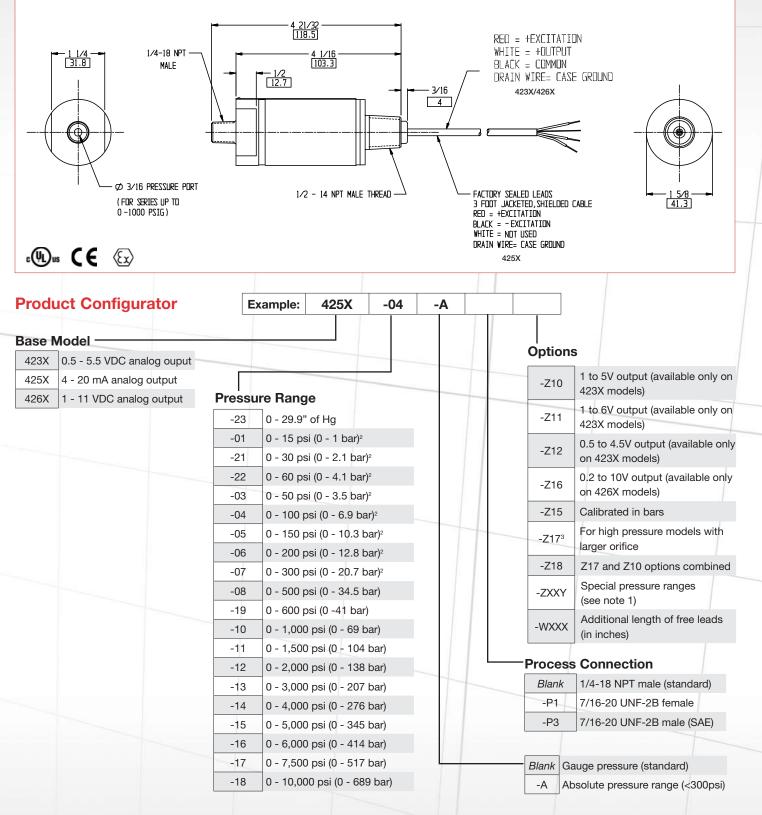
Weight: 423X & 426X:

425X:

Warranty:

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Technical Drawings



Note 1: Add suffix ZXXY for special pressure range calibration. XX = significant digits. Y = number of trailing zeros. Example: 130 psi calibration: add -Z131

2: Available in absolute range

3: For pressure >10kpsi with a 3/16 diameter pressure port orifice, no surge protector will be offered. 4: Minimum quantities may apply

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