

# Transducer

## 防爆型传感器 (功率放大)

## Series 423X, 425X, 426X

### 特点

- ▶ 扩散硅放大器, 具有高精度和高可靠性
- ▶ 使用在危险区域的防爆等级
- ▶ 耐较高的电涌电压和EMI/RFI防护
- ▶ 坚固的不锈钢外壳
- ▶ 防护等级达到NEMA 4X, 7 和 9
- ▶ 425X系列具有ATEX/IECEX认证
- ▶ 模块式设计
- ▶ 内置高压缓冲器(2000 psi 以上)
- ▶ cULus, CE 认证

### 典型应用

- ▶ 石油天然气管道
- ▶ 油田
- ▶ 石化工厂
- ▶ 冶炼工厂
- ▶ 纸浆和造纸厂
- ▶ 火电厂
- ▶ 陶瓷厂
- ▶ 燃油系统的气体传输
- ▶ 气体控制板
- ▶ 气体混合系统

### 技术参数\*

<b>精度 (LH &amp; R):</b>	±0.25% FSO 在温度为 75°F (±0.5% 用在真空时的精度 [-23]) 典型
<b>长期稳定性:</b>	±0.5% FSO 在标定曲线上
<b>典型的使用寿命:</b>	1 亿次
<b>耐压:</b>	2倍的额定压力或最高13,000 psi. (896 bar), 二者取其小。
<b>输入电压:</b>	
423X:	激励电压: 11 to 30 VDC
426X:	激励电压: 14 to 30 VDC
425X:	激励电压: 12 to 28 VDC
<b>Supply Current:</b>	3.0 mA maximum (no load)
<b>Output:</b>	
423X:	Output: 0.5 to 5.5 VDC Full scale output: 5.0 VDC ± 1% Zero output: 0.5 VDC ± 2%
426X:	Output: 1 to 11 VDC Full scale output: 10 VDC ± 1% Zero output: 1.0 VDC ± 2%
425X:	Output: 4 to 20 mA Full scale output: 16 mA ± 1% Zero output: 4 mA ± 2%
<b>Wetted Parts:</b>	17-4 PH (fitting)** & 300 series stainless steel (sensor)

\* See product configurator for additional options.

\*\* Consult factory for 316SS option

MILLIVOLT SERIES - 423X & 426X	
Cable	Signal
Red	+ Excitation
White	+ Output
Black	Common
Bare	Drain
MILLIAMP SERIES - 425X	
Red	+ Excitation
Black	- Excitation
Bare	Drain

### Wiring Code



<b>Enclosure:</b>	NEMA 4X, 300 series stainless steel
<b>Pressure Connection:</b>	1/4"-18 NPT male
<b>Electrical Connection:</b>	3 conductor for voltage series and 2 conductor for current series, 24 awg, PVC jacketed, shielded cable, 3 ft. (1 m) long with integral strain relief and case ground (standard).
<b>Temperature Ranges:</b>	
Operating:	-40° to 185°F (-40° to 85°C)
Compensated:	0° to 160°F (-18° to 71°C)
Storage:	-40° to 185°F (-40° to 85°C)
<b>Temperature Shift:</b>	
Zero & Span:	0.0125% per °F over compensated range reference
<b>Vibration:</b>	15 g's, 10-2000 Hz, MIL-STD 202
<b>Shock:</b>	50 g's, 11 ms, MIL-STD 202 Method 213, Cond. G.
<b>Approvals:</b>	
All:	cULus approved as telemetering equipment for use in hazardous locations (UL File E146589, WYMV, WYMV7) as follows:  Class I, Div. 1, Groups A, B, C & D Class II, Groups E, F & G.
425X only:	ATEX/IECEX Certification: 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
<b>Weight:</b>	
423X & 426X:	7.4 oz. (221 grams) to 1000 psi 9.9 oz. (281 grams) 2,000 psi and higher
425X:	7.4 oz. (210 grams) to 1000 psi 9.4 oz. (266 grams) 2,000 psi and higher
<b>Warranty:</b>	1 year warranty

**Barksdale**

CONTROL PRODUCTS

CRANE Barksdale, Inc./Barksdale GmbH  
A Subsidiary of Crane Co.

