Non-Incendive Transducer

Features

- High accuracy
- Protection in hazardous environments, Class I, Div 2
- Rugged all-welded stainless steel construction
- Superior EMI, ESD and RFI protection
- NEMA 4
- Built-in high pressure snubber (2000 psi and above)

Applications

- Oil & gas pipelines
- Oil patch
- Cement plants
- Gas transfers for fuel systems
- Refineries
- Gas panelsGas mixing systems
- Pulp and paper mills

Petrochemical plants

Coal and oil fired power plants

General Specifications*

Accuracy (LH & R):	±0.25% FSO at 75°F (±0.5% for vacuum	Response Time:	2kHz
	only [-23]) typical	Electrical	3 conductor for voltage series and 2
Long Term Stability:	±0.5% FSO of calibration curve	Connection:	conductor for current series, 24 awg, PVC
Typical Life Cycle:	100 million cycles		jacketed, shielded cable, 3 ft. (1 m) long with integral strain relief and case ground
Proof Pressure:	2 times rated pressure or 13,000 psi max. (896 bar), whichever is less		(standard).
Input: 433: 436:	Excitation voltage: 11 to 30 VDC Excitation voltage: 14 to 30 VDC	Compensated:	-40° to 158°F (-40° to 70°C) -40° to 158°F (-40° to 70°C)
435: Supply Current:	Excitation voltage: 12 to 28 VDC 3.0 mA maximum (no load)	Storage:	-40° to 185°F (-40° to 85°C)
,		Temperature Shift:	
Min. Load Resistance:	2K ohms (voltage series)	Zero & Span:	0.01% per °F over compensated range
Output: 433:	Output: 0.5 to 5.5 VDC	Vibration:	15 g's, 10-2000 Hz, MIL-STD 202
100.	Full scale output: $5.0 \text{ VDC} \pm 0.8\%$ Zero output: $0.5 \text{ VDC} \pm 0.4\%$	Shock:	50 g's, 11 ms, MIL-STD 202 Method 213, Cond. G.
436:	Output: 1 to 11 VDC Full scale output: 10 VDC \pm 0.4% Zero output: 1.0 VDC \pm 0.2%	Approvals:	Nonincendive pressure transmitters are UL and cUL approved as telemetering equipment for use in Div. 2 hazardous locations as follows:
435:	Output: 4 to 20 mA Full scale output: 16 mA ± 1% Zero output: 4 mA ± 2%		Class I, Div. 2, Groups A, B, C & D Class II, Div. 2 Groups F & G
Wetted Parts:	17-4 PH (fitting) & 300 stainless steel (sensor)		Agency approval varies by electrical termination type as follows:
Enclosure:	NEMA 4, 300 series stainless steel	1	
Pressure Connection:	1/4"-18 NPT male		H5(-E) models are cULus listed in UL File E146589, (WYMV, WYMV7).
See product configurator for additional options. MILLIVOLT SERIES - 433 & 436			H3(-E), T4(-E) & T5 (-E) models are cURus recognized components in UL File E146589, (WYMV2, WYMV8).
(T4/T5) (U2	(H5) Signal (M/ining Code		

MILLIVOLT SERIES - 433 & 436			
(T4/T5)	(H3/H5)	Signal	 Wiring Code
1	Red	+ Excitation	
3	White	+ Output	
2	Black	Common	
4	Bare	Drain	
MILLIAMP SERIES - 435			
1	Red	+ Excitation	
2	Black	- Excitation	
4	Bare	Case Drain	Bar

Series 433, 435, 436



7.4 oz. (221 grams) to 1,000 psi 9.9 oz. (281 grams) 2,000 psi and higher

7.4 oz. (210 grams) to 1,000 psi 9.4 oz. (266 grams) 2,000 psi and higher

1 year warranty

Barksdale				
CONTROL PRODUCTS				
CRANE Barksdale, Inc./Barksdale GmbH				

Weight: 433 & 436:

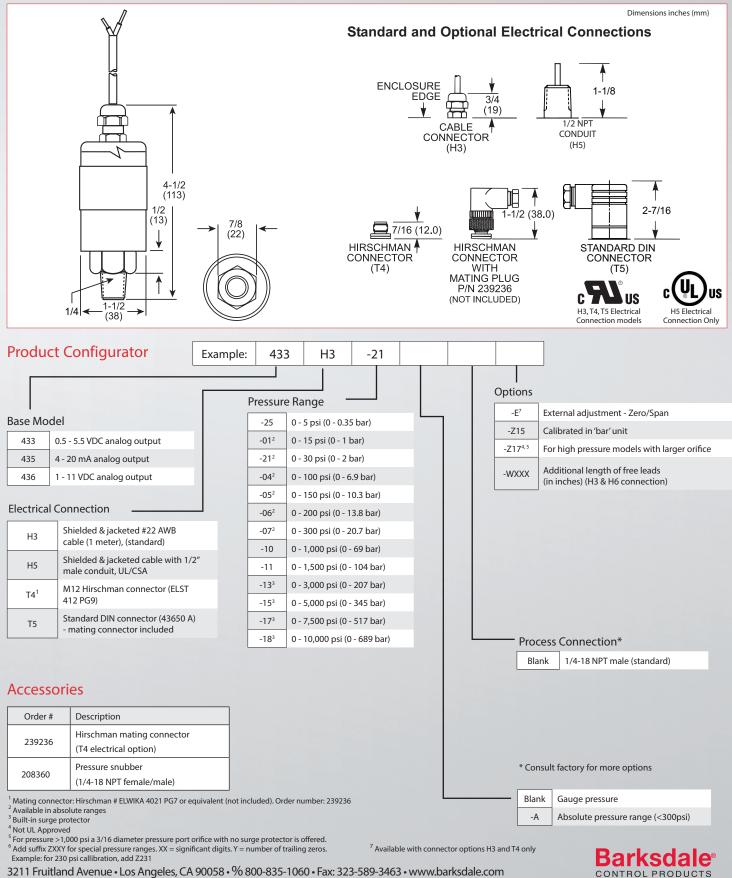
435:

Warranty:

Non-Incendive Transducer

Series 433, 435, 436

Technical Drawings



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