## **Non-Incendive Transducer**

#### **Features**

- High accuracy
- Protection in hazardous environments, Class I, Div 2
- No safety barriers required
- Rugged all-welded stainless steel construction
- Superior EMI, ESD and RFI protection
- NEMA 4X

Oil patch

Built-in high pressure snubber (2000 psi and above)

#### **Applications**

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- Oil & gas pipelines
- Coal and oil fired power plants

Gas transfers for fuel systems

Cement plants

Gas panels

Gas mixing systems

- Petrochemical plants
  - Refineries
- Pulp and paper mills

### **General Specifications\***

Accuracy (LH & R):	±0.25% BSL	
Long Term Stability:	±0.5% FSO of calibration curve	
Typical Life Cycle:	100 million cycles	
Proof Pressure:	2 times rated pressure or 13,000 psi max. (884 bar), whichever is less	
<b>Input:</b> 433:	Excitation voltage: 9 to 30 VDC	
436:	Excitation voltage: 14 to 30 VDC	
435:	Excitation voltage: 12 to 28 VDC	
Supply Current:	3.0 mA maximum (no load)	
Min. Load Resistance:	2K ohms (voltage series)	
<b>Output:</b> 433:	Output: 0.5 to 5.5 VDC Full scale output: 5.0 VDC ± 0.8% Zero output: 0.5 VDC ± 0.4%	
436:	Output: 1 to 11 VDC Full scale output: 10 VDC ± 0.4% Zero output: 1.0 VDC ± 0.2%	
435:	Output: 4 to 20 mA Full scale output: 16 mA ± 0.4% Zero output: 4 mA ± 0.2%	
Wetted Parts:	17-4 PH & 300 series stainless steel	
Enclosure:	NEMA 4, 300 series stainless steel	
Pressure Connection:	1/4"-18 NPT male	

\* See product configurator for additional options.

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

Electrical Connection:	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).		
Temperature Ranges: Operating:	0° to 160°F (-18° to 71)°C		
Compensated:	30° to 160°F (-1° to 71)°C		
Storage:	-40° to 185°F (-40° to 85)°C		
Temperature Shift: Zero Balance:	±2% FS @ 75F		
Span Accuracy:	±1% FS @ 75F		
Vibration:	15 g's, 10-2000 Hz, MIL-STD 202		
Shock:	50 g's, 11 ms, MIL-STD 202 Method 213, Cond. G.		
Approvals:	Nonincendive pressure transmitters are UL cUL approved as telemetering equipment for use in Div. 2 hazardous locations as follows: Class I, Div. 2, Groups A, B, C & D Class II, Div. 2 Groups F & G Agency approval varies by electrical termination type as follows: H5(-E), H6(-E) & (-E) models are cULus listed in UL File E146589, (WYMV, WYMV7).		
	H3(-E), T4(-E) & T5 (-E) models are cURus recognized components in UL File E146589, (WYMV2, WYMV8).		
<b>Weight:</b> 433 & 436:	7.4 oz. (221 grams) to 1,000 psi 9.9 oz. (281 grams) 2,000 psi and higher		
435:	7.4 oz. (210 grams) to 1,000 psi 9.4 oz. (266 grams) 2,000 psi and higher		
Warranty:	3 year warranty		

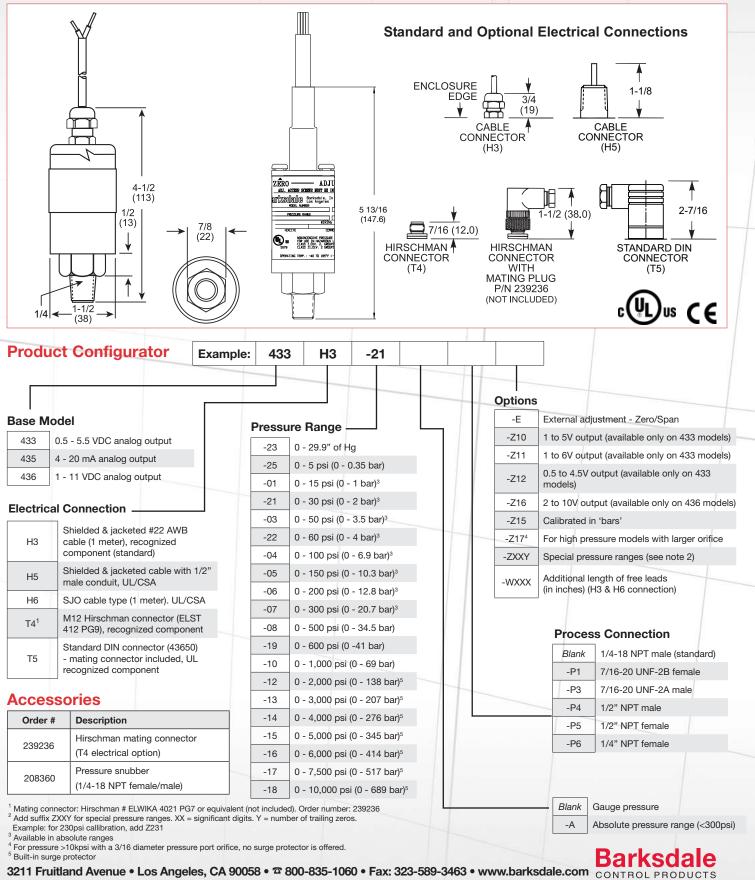
# Series 433, 435, 436



## **Non-Incendive Transducer**

### Series 433, 435, 436

### **Technical Drawings**



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