



# Hazardous Location Approved

Pressure & Level Transmitters, RTD Connection Heads

## Overview:

- Explosion-proof, non-incendive, intrinsically safe, and hammer union transmitter configurations
- Key approvals include FM, CSA, NACE MR0175/ISO 15156, and ANSI/ISA-12.27.01 single seal
- Current and voltage outputs and a variety of electrical connections available

## Applications:

Used in oil & gas wellheads, hydraulic fracturing operations, drilling rigs, offshore platforms, chemical processing, mining, and vapor recovery systems where explosion hazards exist. Ideal for demanding applications such as tank & borehole level monitoring, irrigation, and water & wastewater systems.

### 621/622 Series Explosion-Proof - Pressure

Chemical Processing, Gas Pressure Measurement, Oil Field & Offshore, Mining, Well Head Measurement

- Vacuum and compound ranges through 0 psig to 15,000 psig
- 316 Stainless Steel and Elgiloy wetted parts
- **Explosion-proof** with entity approved for: Class I, Division 1, Groups A, B, C and D
- **Dust Ignition-proof** with entity approval for class II/III, Division 1, Groups E, F and G
- Maximum electrical ratings 30V, 20 mA



### 623/624 Series Non-Incendive - Pressure

Chemical Processing, Gas Pressure Measurement, Oil Field & Offshore, Mining, Well Head Measurement

- Vacuum and compound ranges through 0 psig to 15,000 psig
- 316 Stainless Steel and Elgiloy wetted parts
- **Non-Incendive** for:
  - Class I, Division 2, Groups A, B, C and D.I.P.
  - Class II, Division 1, Groups E, F and G Maximum ratings 30 Vdc, 20 mA



### 625/626 Series Intrinsically Safe - Pressure

Chemical Processing, Gas Pressure Measurement, Oil Field & Offshore, Mining, Well Head Measurement, Vapor Recovery Systems

- Low pressure ranges for vapor recovery applications, vacuum and compound ranges through 0 psig to 15,000 psig
- 316 and 13-8PH Stainless Steel wetted parts
- **Intrinsically Safe**, entity approval for Class I, II and III, Division 1, Groups A, B, C, D, E, F and G; and Class I, Zone 0 Aex ia IIC
  - **Dust Ignition-proof** for Class II and III, Division 2, Groups F and G
  - **Non-incendive** for Class I, Division 2, Groups A, B, C and D



### 627 Series Intrinsically Safe - Submersible Level

Irrigation, Tank Monitoring, Water & Wastewater, Well Head Measurement

- Ranges from 0 inH<sub>2</sub>O to 50 inH<sub>2</sub>O through 0 psig to 350 psig
- 316 Stainless Steel and 17-4PH Steel wetted parts
- **Intrinsically Safe**, entity approval for Class I, II and III, Division 1, Groups A, B, C, D, E, F, and G; and Class I, Zone 0 Aex ia IIC
- **Dust ignition-proof** for Class II and III, Division 1, Groups E, F, and G
- **Non-incendive** for Class I, Division 2, Groups A, B, C, and D



## Additional instrumentation:

### 628 series

Intrinsically Safe Hammer Union Pressure Transmitter

Intrinsically Safe & Non-Incendive

- Ranges from 0 psig to 5,000 psig through 0 psig to 20,000 psig
- Current output
- Inconel X-750 wetted parts



### 910/915 Series

Industrial RTD, Probe Type with Connection Head

FM & CSA approved explosion-proof connection head options

- Aluminum cast connection, explosion-proof (A2)
- Stainless Steel cast connection, explosion-proof (S2)
- Approvals for Class I, Division 1, Groups B, C, D; and Class II, Division 1, Groups E, F, G
- A2 - NEMA 4, S2 - NEMA 4X



# Hazardous Location

Classes, Divisions, Groups and NOSHOK Solutions

## Class/Division/Group and Protection Methods by NOSHOK series



621/622 Series

EXPLOSION-PROOF

<b>Class I</b> (GAS)	Div. 1	<b>Group</b> A, B, C, D
	Div. 2	
<b>Class II</b> (DUST)	Div. 1	<b>Group</b> E, F, G
	Div. 2	
<b>Class III</b> (FIBERS)	Div. 1	No groups.
	Div. 2	



623/624 Series

NON-INCENDIVE

<b>Class I</b> (GAS)	Div. 1	<b>Group</b> A, B, C, D
	Div. 2	
<b>Class II</b> (DUST)	Div. 1	<b>Group</b> E, F, G
	Div. 2	
<b>Class III</b> (FIBERS)	Div. 1	No groups.
	Div. 2	

625/626 Series

INTRINSICALLY SAFE

<b>Class I</b> (GAS)	Div. 1	<b>Group</b> A, B, C, D
	Div. 2	
<b>Class II</b> (DUST)	Div. 1	<b>Group</b> E, F, G
	Div. 2	
<b>Class III</b> (FIBERS)	Div. 1	No groups.
	Div. 2	

627 Series

INTRINSICALLY SAFE | SUBMERSIBLE LIQUID LEVEL

<b>Class I</b> (GAS)	Div. 1	<b>Group</b> A, B, C, D
	Div. 2	
<b>Class II</b> (DUST)	Div. 1	<b>Group</b> E, F, G
	Div. 2	
<b>Class III</b> (FIBERS)	Div. 1	No groups.
	Div. 2	



**HAZARD TRIANGLE**

**HAZARDOUS LOCATION**

PRESSURE TRANSMITTERS: CLASSIFICATION OVERVIEW

### Scan QR code

to watch NOSHOK new Hazardous Location Classifications Overview video

