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_2O to 50 inH_2O 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

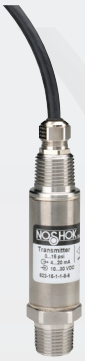
Classes, Divisions, Groups and NOSHOK Solutions

Class/Division/Group and Protection Methods by NOSHOK series



621/622 Series — EXPLOSION-PROOF

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



623/624 Series — NON-INCENDIVE

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



625/626 Series — INTRINSICALLY SAFE

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

627 Series — INTRINSICALLY SAFE | SUBMERSIBLE LIQUID LEVEL

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





Scan QR code

to watch NOSHOK new Hazardous Location Classifications Overview video