

THE OIL & GAS INDUSTRY

WELL SERVICING **UPSTREAM MIDSTREAM DOWNSTREAM OFFSHORE**



Our broad offering of instrumentation for the oil & gas industry addresses applications including:

- Conventional Oil & Gas Plays
- Unconventional Oil & Gas Plays
 - Oil Sands
 - Coal Bed
 - Shale
 - Offshore

APPLICATION ASSEMBLIES



Direct Connect Assembly

Provides an installation that keeps the meter close to the orifice taps for accurate flow measurements.

- Reduces traditional remote mount installation costs by eliminating tube ends, tube fittings, stainless steel tubing, pipe stands and mounting brackets
- Decreases leak points by reducing NPT connections
- Minimizes or eliminates gauge line error
- Can include 2- or 5-valve manifolds including the NOSHOK Flare Pattern™ 5-Valve Natural Gas Manifold, as well as Stabilized Connectors. Stabilized Connectors with Integral Valve. Non-Stabilized Connectors and Dielectric Kits
- Wide variety of adapter options including Δ Pressure to Δ Pressure Adaptor, Δ Pressure to Static Pressure Plate, Static Adaptors and Horizontal to Vertical Adaptors



∆ Pressure to ∆ Pressure Adaptor







Indication, Output and Block & Bleed Assembly

Three components with one process connection provide local indication, analog output and block/bleed isolate with bleed function.

- Easily isolates instruments
- Available in a wide variety of pressure ranges up to 10,000 psi
- Other options include bleed plug and bleed valve





PRESSURE MEASUREMENT SOLUTIONS



Full offering to address vacuum and pressure from 10 inH₂0 through 145,000 psig, as well as differential pressure applications.

3 YEAR WARRANTY

- Vibration, shock, pulsation and chemical resistant
- Available in dial sizes of 1-1/2" to 6", bottom and back connected, with wetted parts in copper alloy or 316L stainless steel
- High quality construction including heavy Bourdon tubes for longer life
- · Liquid filled and dry configurations available

Transmitters and Transducers

Available in vacuum, absolute and gauge pressure ranges up to 145,000 psig.

3 YEAR WARRANTY

- Explosion-proof, non-incendive, intrinsically safe vapor recovery & intrinsically safe hammer union models
- Vibration & chemical resistant with a full array of outputs (4-20 mA, 0-0 Vdc, .5-4.5 Vdc, etc.)
- Extremely stable zero and span
- Full offering in the low power units when used with solar power or battery power
- NACE Compliant
- High RFI, EMI & ESD protection



LEVEL MEASUREMENT SOLUTIONS

Includes low pressure gauges, transducers and submersible transducers designed to measure head pressures from inches of water, feet of water, to psig.

3 YEAR WARRANTY

- Reliable and cost-effective approach to level measurement
- Pressurized vessels and well sites can be accurately measured using a dual transducer approach
- Available in hazardous location versions









Your Single Source Instrumentation Company





TEMPERATURE MEASUREMENT SOLUTIONS

Bimetal and Vapor Actuated Thermometers

Vapor actuated thermometers and bimetal thermometers to address temperatures from -100° F to 1,000° F.

1 - 8 YEAR WARRANTIES

- Reliable and cost effective temperature measurement
- Full offering of thermowells to address corrosive and erosive fluids, high volume flow lines and tanks
- High volume producer of vapor actuated thermometers to the oil and gas industry, offering a full array of options including capillary length, dial sizes, panel mount configurations and temperature ranges

Temperature Transmitters, Transducers & RTDs

NOSHOK temperature transmitters, transducers & RTDs address temperatures from -40° F up to 1,100° F.

3 YEAR WARRANTY

- Simple RTD primary element with or without built-in amplifier
- Hazardous location, explosion proof models available
- Full offering of stem lengths and options for electrical connections
- Can be used in conjunction with a thermowell to address harsh applications

Thermowells

NOSHOK offers thermowells with a 1/2" NPSM instrument connection, 3/4" NPT process connection (standard),1/2" NPT and 1" NPT. Flanged and sanitary process connections are also available.

1 YEAR WARRANTY

FORCE MEASUREMENT SOLUTIONS

NOSHOK provides load cells and force sensors for most applications, that include:

- Hvdraulic load cells
- Tension compression load cells
- Load pins
- Silo kit systems for tank weighing

1 YEAR WARRANTY

- Local or remote indication
- Fully amplified output signals including 4 to 20 mA, 0 to 10 Vdc, etc.
- Silo kit package offers a turn key solution for tank or vat weighing



NOSHOK is an industry leader in providing high quality, reliable & robust instrumentation to the oil & gas market. For over four decades, we have offered expertise in providing measurement solutions for a variety of applications, such as:

PRESSURE, TEMPERATURE & LEVEL MEASUREMENT

- Well automation (tubing & casing pressure)
- Compressor packages & compressor stations
- Mobile and stationary equipment control panels
- Hydraulic measurement
- Vapor recovery
- Hammer union
- Pump suction & discharge
- **Engine monitoring**
- Injection systems
- Local indication on distribution lines, tanks & vessels
- Remote measurement on service vehicles including blending, frac, cementing, wireline, workover etc.
- True water level measurement in coal bed natural gas wells
- Tank level
- BOP and subsea controls
- Filtration diagnostics

NEEDLE & MANIFOLD VALVES

- Safety shutoff
- Block, bleed and isolation of critical instrumentation
- Retrofit manifold make up for use on pneumatic recorders and meters
- Manifolds for differential pressure measurement and flow measurement

FORCE MEASUREMENT

- Pump jacks
- Pulling units
- Overhead cranes, chain hoists and cable hoists



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