



NOSHOK provides pressure, level and temperature measurement solutions, along with diaphragm seals and instrument valves designed to easily integrate into your system and deliver highly accurate, reliable performance.

APPLICATION ASSEMBLIES

NOSHOK offers several application-focused solutions, designed to fit specific requirements.

All Non-Metallic Diaphragm Seal & Pressure Transmitter/Switch

- Electronic indicating pressure transmitter with two alarms, protected by a corrosion-resistant, chemically inert PTFE diaphragm seal with one simple connection
- Ideal for water, wastewater & chemical feed applications
- A tested and proven solution used in multiple municipalities
- Can be used to replace a heavy analog gauge with a diaphragm seal and mechanical switch, commonly used for pump shut-off protection
- Delivers a high level of repeatability and durability
- Compact size & light weight significantly decrease possible leak paths
- With no moving parts to wear out, this instrument provides a significantly extended service life over mechanical analog systems
- The instrument and seal can be used with a power supply and Form C relays to easily integrate into any AC chemical feed system

AC to DC Retrofit Package

- Easily integrates with Non-Metallic Seal and Transmitter/Switch assemblies to operate with 110/240 VAC systems
- Solid state relay - 10A at 250 VAC
- DIN rail mountable with NEMA 4X enclosure

Distribution Manifold

- Connects multiple instruments to one diaphragm seal
- Eliminates multiple connections that lead to possible leak paths
- Lower fill volume enhances performance and decreases temperature error
- Multiple sizes and configurations available

Cage-Protected Submersible Level Transmitter

- Designed for severe high solids environments such as sewage, lift stations, storm canals, wet wells and slurry tanks where sludge, slurry or turbulence may be present
- Ideal for a wide variety of industrial and municipal liquid level measurement applications requiring watertight protection

For nearly half a century, NOSHOK has been an industry leader in the international marketplace, serving a wide variety of industries including oil & gas, fluid power, general industrial, automation, chemical processing, manufacturing, and food & beverage. We are now providing the same proven performance and technology to the water & wastewater market.

PRESSURE & LEVEL MEASUREMENT

- Wastewater pumping stations
- Lift stations
- Storm water overflow tanks
- Chemical feed
- Screening plants
- Heavy solids/sludges
- Slurry tanks
- Reservoir/well depth measurement
- Discharge controls
- Booster pumps
- Dewatering and grinder systems
- Blowers
- Filtration of process water for cooling circuits
- Irrigation systems
- Flash evaporation and desalination

TEMPERATURE MEASUREMENT

- Boilers
- Digestion towers
- Compressors
- Condensers
- Coolant and oil circuits
- Water systems
- Storage Tanks
- Lift pumps
- Reverse osmosis

NEEDLE & MANIFOLD VALVES

- Isolation and control in water transmission pipelines
- Tanks and pump stations
- Air blowers in wastewater treatment
- Water transport within desalination plants



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MEASUREMENT SOLUTIONS FOR THE WATER & WASTEWATER INDUSTRY

MUNICIPAL AND INDUSTRIAL WATER & WASTEWATER PROCESSING

PRESSURE & LEVEL MEASUREMENT SOLUTIONS

Cage-Protected Level Transmitters

Designed for severe high solids environments such as sewage, lift stations, storm canals, wet wells and slurry tanks where sludge, slurry or turbulence may be present.

3-YEAR WARRANTY

- Features large 3" non-fouling sensing area
- Welded at cap and base to provide a leak-proof seal
- Highly accurate, shock-resistant and extremely stable over long periods of time
- Electrical surge, noise and reverse polarity protected

Pressure Gauges

Vacuum and pressure from 10 inH₂O through 85,000 psig, as well as differential pressure.

3-YEAR WARRANTY

- Dial indicating, process, digital and differential gauges
- Multiple case materials, filling and connection options
- Vibration, shock, pulsation and chemical-resistant
- High quality construction including heavy Bourdon tubes for longer life
- Liquid-filled and dry configurations available

Pressure Transmitters and Transducers

NOSHOK pressure transmitters and transducers are available in vacuum, absolute and gauge pressure ranges up to 145,000 psig.

3-YEAR WARRANTY

- Vibration and chemical resistant with a full array of commonly used outputs (4 mA - 20 mA, 0 Vdc - 10 Vdc, .5 Vdc - 4.5 Vdc, etc.)
- Extremely stable zero and span
- Front flush diaphragm option for sludge, slurry or high viscosity media
- High RFI, EMI & ESD protection

Pressure Transmitter/Switch

Features a display and electrical connection that can be rotated independently and offers seven different output configurations.

3 YEAR WARRANTY

- Ideal for use with discharge controls, pump stations, booster pumps, dewatering & grinder systems, and blowers
- Combine with the NOSHOK Type 5 all non-metallic diaphragm seal for a streamlined, lightweight solution with minimal leak paths on chemical feed pumps

Diaphragm Seals

NOSHOK offers a variety of diaphragm seals to accommodate multiple water/wastewater applications including slurries, heavy sludges, chemical feed and corrosive media applications.

1-YEAR WARRANTY

- Clog-resistant flow-through annular style seal for slurries and heavy sludges
- Non-metallic seal for wastewater and chemical feed
- A full range of additional diaphragm seal materials and constructions available

Accessories

- Pigtail steam syphons, snubbers, swivel adapter

TEMPERATURE MEASUREMENT SOLUTIONS

Industrial RTDs

NOSHOK RTDs provide extremely accurate temperature measurement in a variety of applications including boilers and primary digesters.

3-YEAR WARRANTY

- Several connection head options available
- 2, 3 or 4-wire circuit configurations
- Can be ordered with a fixed probe or spring loaded

Temperature Transmitter/Switch

Measures and displays temperature, with one or two switching outputs as well as optional current and voltage outputs. A variety of process connections, including sliding compression fittings, add to the versatility of this sensor.

3-YEAR WARRANTY

- Wide measuring range between -300 °F and 1,100 °F / -200 °C and 600 °C covers the majority of applications

TEMPERATURE MEASUREMENT SOLUTIONS

Temperature Transmitter

Proven 100 Ω platinum resistance sensor provides reliability, stability & exceptional performance. Excellent for applications including water systems, storage tanks and industrial machinery.

3-YEAR WARRANTY

- Wide variety of temperature ranges and connections
- Also available with our 1800 Series attachable loop indicator

Bimetal Thermometers

NOSHOK's industrial and instrument type bimetal thermometers are available with multiple stem length, dial size, lens, connection & range options.

1-8 YEAR WARRANTIES

- High quality, cost-effective thermometers
- Accuracy: ±1% full scale, Grade A, ASME B40.3

Accessories

- Thermowells

NEEDLE VALVE & MANIFOLD VALVE SOLUTIONS

Block & Bleed Needle Valves

3-YEAR WARRANTY

- Hard & soft seat needle valves, zinc-nickel plated steel or stainless steel

2-Valve Block & Bleed Needle Valves & Static Pressure Manifold Valves

3-YEAR WARRANTY

- Hard & soft seat, combines isolating & venting in a single valve
- Multiple packing, stem tip, o-ring and handle options

3-Valve Differential Pressure Manifold Valves

3-YEAR WARRANTY

- Hard & soft seat, block, single flange or double flange connections

5-Valve Manifold Valves

3-YEAR WARRANTY

- Hard seat & soft seat/tip, with pressure ratings up to 10,000 psi
- Available in Flare Pattern™ expanded valve configuration