



NOSHOK

MEASUREMENT SOLUTIONS FOR THE FOOD & BEVERAGE INDUSTRY

FOOD PROCESSING | BEVERAGE | DAIRY | SILO & TANK LEVEL

SUPERIOR DESIGN

- **Flush diaphragm technology**
 - Compact, robust diaphragm with matching back up system to minimize the amount of fill fluid and reduce potential for damage
 - Diaphragms are laser welded and helium leak tested
- **Sensors close to the media**
 - Pressure and temperature sensors are mounted directly behind the diaphragm which minimizes fill fluid and allows the use of a smaller diaphragm
 - Provides active temperature compensation at the point of measurement to minimize temperature and position error
- **Programming via standard onboard display**
 - No reference pressure is required for range adjustment
 - Linearization can be made for various tank shapes
 - Zero and span adjustment
 - Local indication of process temperature
 - Dampening adjustment (0 to 25 sec)
- **Increased efficiency and flexibility**
 - Turndown ratios up to 10:1 allow greater rangeability, minimizing required inventory
 - Accuracies are based on adjusted span, not full scale range
- **Polished Stainless Steel construction**
 - Compact and robust polished Stainless Steel housing is ideal for hygienic applications and harsh, aggressive ambient conditions
- **360° Rotatable Display**
 - For flexibility and readability in multiple mounting positions



Measurement Solutions

20 SERIES INTELLIGENT SILO AND TANK LEVEL TRANSMITTER

- Ranges from 16 inH₂O to 58 psig (1,600 inH₂O)
- Overlap in ranges to allow higher proof pressure when required
- Programming via standard onboard display
- Accuracy 0.1% of adjusted span
- Active temperature compensation
- 10:1 turn down
- Hart® protocol available
- Polished Stainless Steel housing
- Can be cleaned-in-place (CIP) or steamed-in-place (SIP)
- 360° rotatable display
- Meets 3A requirements
- Food, beverage & dairy specific process connections

Applications

- Silo & tank level
- Food & beverage
- Dairy



25 SERIES INTELLIGENT PRESSURE & LEVEL TRANSMITTER

- Ranges from -160 inH₂O vac to 1,160 psig
- Programming via standard onboard display
- Accuracy 0.2% of adjusted span
- Active temperature compensation
- 4:1 turn down
- Hart® protocol available
- Polished Stainless Steel housing
- Can be cleaned-in-place (CIP) or steamed-in-place (SIP)
- Compact, robust flush diaphragms
- Meets 3A requirements

Applications

- Food & beverage
- Dairy



30 SERIES "SNORKEL" PRESSURE & LEVEL TRANSMITTER

- Developed for wash down applications and where space restricts easy adjustment
- Electronics to be remotely mounted in a safe and convenient location
 - Electrical cable with vent connects the sensor to the electronics housing, no fill fluid
- Flush diaphragm technology
 - Compact, robust diaphragm with matching back up system to minimize the amount of fill fluid and reduce potential for damage
 - Diaphragms are laser welded and helium leak tested
- Sensors close to the media
 - Pressure and temperature sensors are mounted directly behind the diaphragm which minimizes fill fluid and allows the use of a smaller diaphragm
 - Provides active temperature compensation at the point of measurement to minimize temperature and position error

300 Series

- Fixed range with vented cable
- Accuracy 0.2% adjusted span
- 10:1 turn down
- Hart® protocol available for range adjustment

302 Series

- Range adjustment via zero/span potentiometers in remote-mounted all polished Stainless Steel housing
- Accuracy 0.2% adjusted span
- 4:1 turn down

304 Series

- Includes onboard display for easy programming and range adjustment
- Polished Stainless Steel housing
- Accuracy 0.1% adjusted span
- 10:1 turn down
- Hart® protocol available

Applications

- Tank level measurement
- Food & beverage
- Dairy
- Breweries

302 Series



300 Series



304 Series





NOSHOK provides Measurement Solutions designed specifically for the food and beverage industry, to easily integrate into your system and deliver highly accurate, reliable performance.

10 Series Fractional Sanitary Pressure Gauges

- Compact size for space restricted applications
- Wide variety of ranges from vacuum to 600 psi
- Process temperatures up to 300 °F (150 °C)
- Gauge size 2", camp size 3/4"
- ASME-BPE Sanitary Clamp housing and diaphragm are constructed from 316L Stainless Steel with wetted surface and electropolished to Ra25 or better

10 Series Heavy-Duty Sanitary Pressure Gauges

- Ranges from 30" inHg to 600 psi
- 2-1/2 and 4" sizes available, with 1-1/2 or 2" ASME-BPE Sanitary Clamp process connections
- Electropolished stainless steel case

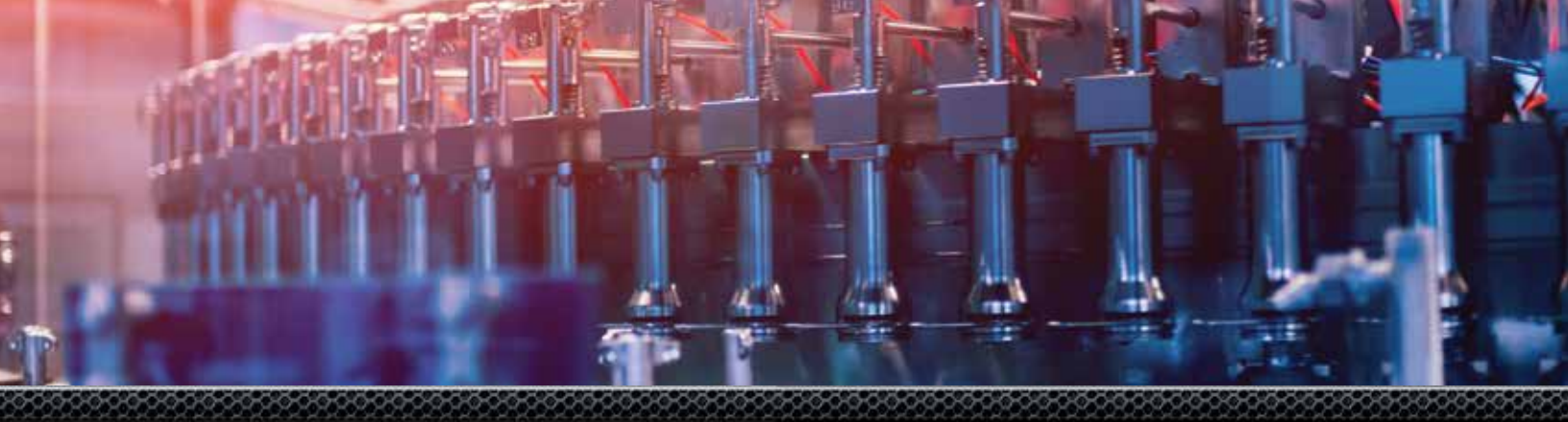
11 Series ASME-BPE Sanitary Clamp Pressure Transmitters

- Designed for heavy-duty applications where high accuracy, shock resistance and durability are required
- Standard ranges from vacuum to 400 psi
- Diffused semi-conductor or sputtered thin film sensor for maximum stability
- 1-1/2" or 2" ASME-BPE Sanitary Clamp connections with integral cooling extension allows for higher media temperatures
- 316L stainless steel housing welded to ASME-BPE Sanitary Clamp process connection for greater strength and integrity
- ASME-BPE housing and diaphragm are constructed from 316L Stainless Steel with wetted surfaces electropolished to Ra25 or better

Type 12 Sanitary, Clamped-Style Diaphragm Seals

- Flush mount diaphragm with all welded construction
- Minimum pressure 0 to 30 psi
- Accommodates process connection pipes from 1-1/2" through 3" sizes
- Accommodates 2-1/2", 4", 4-1/2" and 6" gauge sizes
- Wetted materials polished to Ra32 or better





For over half a century, NOSHOK has been an industry leader in the global marketplace, serving a wide variety of industries including fluid power, oil & gas, marine, mobile equipment, industrial automation, and water/wastewater. We are now expanding our offering into the food & beverage market to address multiple applications and system requirements.



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Product group from well-managed
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