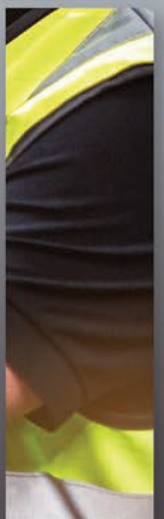# Amphenol Sensors

Connecting your world through
Sensing Innovations

Industrial Process Control

Amphenol Sensors is a leading innovator in sensor technologies and measurement solutions. Offering the most diverse sensor portfolio of standard and customized products for the world's most demanding regulatory and industry-driven applications, Amphenol creates value by providing critical information for real-time decisions.

For industrial efficiency and safety, process controls are key. By monitoring, measuring and controlling process equipment and conditions, a producer not only ensures product consistency and quality, but also product profitability.

From the equipment that keeps your process moving to the fluids, air and gases needed during production, and robotics for automation, Amphenol Sensors provides sensor solutions every step of the way.

Amphenol Sensors
Industrial Process Control Sensor Solutions

● Temperature　● Pressure　● Gas　● Humidity　● Vibration　● Speed & Position　● Level

Process Equipment
● Boiler Control
● Modulating/Furnace Controls
● Motor Monitoring
● Pump Monitoring
● Gearbox Monitoring
● Fluid Handling Equipment Monitoring

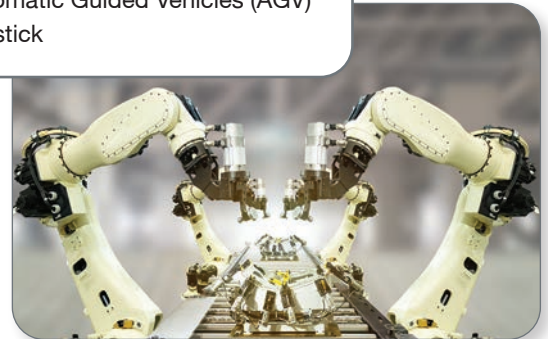### Process Fluids
● Fluid Temperature
● Fluid Pressure
● Fluid Level

Process Gases
● Gas Pressure
● Gas Leakage
● Gas Concentration
● Process Waste Gases
● Humidity

Process Automation
● Machinery Condition Monitoring
● Robotics
● HMI
● Factory Automation
● Guidance Systems
● Automatic Guided Vehicles (AGV)
● Joystick

Process Air
● Airflow Rate
● Airflow Pressure
● Duct Airflow
● Compressed Air

PROCESS EQUIPMENT

Temperature Sensors
- High accuracy and stability for increased efficiency and performance
- Robust design for harsh environments
- Thermal cut-off fuses allow for added safety features
- Customization options

THERMOMETRICS
EXA THERMOMETRICS

Ultra Low Pressure Sensors
- High stability and repeatability
- High accuracy • Compact package size

ALL SENSORS
an Amphenol company

Vibration Sensors
- Monitor equipment to ensure efficient operation
- Early fault detection • Compact sensor placement
- Real-time data feedback of live conditions
- Meets environmental and hazardous area requirements

Wilcoxon
SENSING TECHNOLOGIES

PROCESS FLUIDS

Temperature Sensors
- High accuracy and stability for increased efficiency and performance
- High temperature range
- Fast response time
- Robust design for harsh environments
- Customization options

THERMOMETRICS
EXA THERMOMETRICS

Pressure Sensors
- Media compatibility • Output repeatability
- High accuracy • Compact package size
- Stainless Steel for long-term stability

NOVA SENSOR
i2s
an Amphenol company

Level Sensors
- Ultrasonic • High accuracy
- Multiple output options • Multiple distance options

SSI

PROCESS GASES

Pressure Sensors
- Media compatibility • Output repeatability
- Robust design • Long-term stability
- High accuracy • Compact package size
- Stainless Steel for durability

NOVA SENSOR
i2s
an Amphenol company

Gas Sensors
- ATEX certified • Selective gas detection
- High accuracy and range
- Long life • Low power usage

SGX SENSORTECH

Humidity Sensors
- Duct- and wall-mounted transmitters
- Fully-calibrated OEM sensors
- Connectivity to building automation systems

TELAIRE

PROCESS AUTOMATION

Position Sensors
- Non-contact inductive and hall-effect technologies • Long life
- Suitable for harsh environments
- Excellent resolution and precision
- Modular, compact and lightweight design
- Custom linear and rotary position feedback

PIHER sensing systems

Speed Sensors
- Long life • Low hysteresis • Field-proven
- Custom connectors and wires
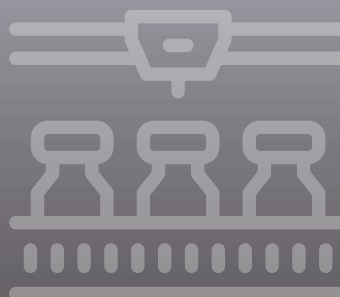
PIHER sensing systems

Vibration Sensors
- Monitor equipment to ensure efficient operation
- Early fault detection • Compact sensor placement
- Real-time data feedback of live conditions
- Meets environmental and hazardous area requirements
- Various process signals for control-system inputs

Wilcoxon
SENSING TECHNOLOGIES

PROCESS AIR

Pressure Sensors
- Media compatibility • Output repeatability
- Robust design • Long-term stability
- High accuracy • Compact package size
- Media-isolated for fluid compatibility
- Stainless Steel for durability

NOVA SENSOR
i2s
an Amphenol company
SSI

Ultra Low Pressure Sensors
- Measure, monitor, and control air flow and air pressure
- High stability and repeatability
- High accuracy • Compact package size

ALL SENSORS
an Amphenol company

Ensuring product consistency, quality, and profitability.

Sensor Technologies

MAJOR MARKETS SERVED	Thermometrics, Inc. Temperature	Telaire Gas & Moisture	NovaSensor Pressure	Protimeter Moisture Meters	Kaye Thermal Validation	SGX Sensortech Gas	Piher Sensing Systems Position	Wilcoxon Sensing Technologies Vibration	Piezo Technologies Ultrasonic	i2s Pressure & Temperature	All Sensors Ultra Low Pressure	SSI Technologies Level, Quality & Pressure	Exa Thermometrics Temperature
Aerospace (Commercial)	●		●			●	●				●	●	●
Agriculture	●	●		●		●	●			●		●	●
Air Quality (Indoor)	●	●	●	●		●	●	●			●	●	●
Automation	●	●					●	●			●		
Automotive	●	●	●			●	●				●	●	●
Construction & Restoration				●								●	
Electrification (EV/HEV)	●	●	●			●	●				●	●	●
Energy	●					●		●	●				●
Environmental Monitoring					●	●					●		
Heavy Equipment & Off-Road (HVOR)	●		●			●	●			●		●	●
HVACR	●	●	●			●	●	●				●	●
Industrial	●	●	●	●		●	●	●		●	●	●	●
Marine	●					●	●						
Medical	●	●	●		●		●		●		●	●	
Military	●		●			●	●				●	●	●
Non-Destructive Testing (NDT)									●				
Oil & Gas	●		●			●	●	●		●	●	●	●
Pharmaceutical & Biotech					●							●	●
Process Control	●	●	●			●	●	●		●	●	●	●
Process Air			●							●	●	●	
Process Equipment	●							●			●		●
Process Fluids	●		●							●		●	●
Process Gases		●	●			●				●			
Process Automation							●	●					
Railway	●							●				●	●
Thermal Validation					●								

Amphenol Sensors

www.amphenolsensors.com