Amphenol Sensors

Connecting your world through Sensing Innovations

Automotive

Amphenol Sensors is a leading innovator in sensing 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.

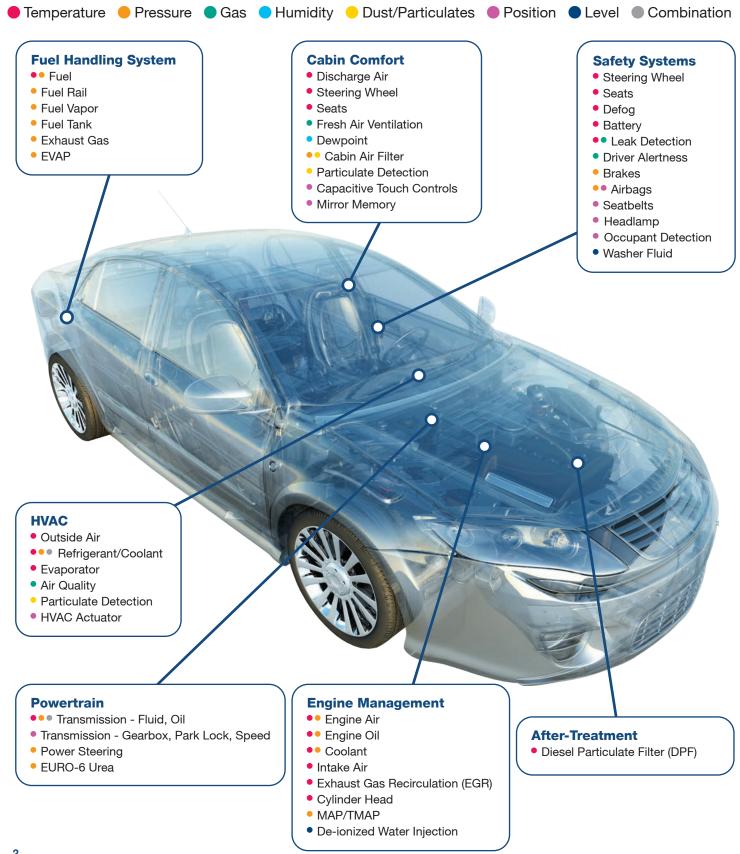
Amphenol Sensors is your best source for automotive sensors, offering the technology that brings your systems together—to protect the vehicle, its occupants and the environment.

From engine management to safety systems, consider us your global partner for all of your automotive sensing needs. We deliver innovative solutions and high-performing products with the finest customer support—bringing the best results to you and your customers.



Amphenol Sensors

Automotive Sensing Solutions



ENGINE MANAGEMENT

Temperature Sensors

- High accuracy High stability
- Noise immune NTC option
- Fast response time Combination sensor options

Pressure Sensors

- High accuracy High performance
- Long-term stability
 Custom options



THERMOMETRICS

- Level, Concentration & Conductivity Sensors
- Accuracy ±1%
- Detects proper fluid fill and contaminants



POWERTRAIN

Temperature Sensors

- High accuracy
 High stability
- Customized to application
- Utilizes metallurgical bond glass-coated NTC

Pressure Sensors

- Stable and accurate Durable
- Customizable design Multiple output options



THERMOMETRICS

Position Sensors

- Non-contact inductive and hall-effect technologies
- Accurate output at high speeds
- Reliable in harsh environments

PIHER sensing systems

Combined Pressure & Temperature Sensors

- High accuracy Oil resistant
- Wide temperature range: -40°C to 150°C
- Robust against pressure spikes



THERMOMETRICS

TELAIRE

PIHER sensing systems

THERMOMETRICS

SENSOR

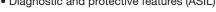
SAFETY SYSTEMS

Temperature Sensors

- Fast response time High accuracy
- High stability Proven reliability
- Deep domain expertise Duplicate manufacturing locations

Pressure Sensors

- Fast response time High accuracy
- Long-term stability Custom options
- Diagnostic and protective features (ASIL)



CO₂ Gas Sensors

- Self-calibration Low power consumption
- Compact design Lin Bus communication
- Custom packaging options

Position Sensors

- Robust and reliable modular design
- Selectable working principle: Potentiometric, hall effect, reed switch

Level & Concentration Sensors

- Accuracy ±2%
- Continuous monitoring for fluid contamination
- Programmable for irregular shape tanks

AFTER-TREATMENT

Temperature Sensors

- High accuracy High stability
- Integral/pigtail options
- Fast response time Right angle and straight probe options

CABIN COMFORT

Temperature Sensors

- High accuracy High stability
- Noise immune NTC option
- Moisture resistant Fast response time

Pressure Sensors

- High performance High accuracy
- Customizable design Multiple output options

Gas Detection Sensors

- Detectable gases: CO2, VOC
- Compact design Custom packaging options

Dewpoint Sensors

- PWM and Lin Bus Custom package options
- Combined temperature measurement

Dust Particulate Sensors

- PM2.5 Laser detection
- Fast response High accuracy

Position Sensors

- Low profile Excellent resolution
- Custom form-factor readv
- · Linear and rotary position feedback



SGX

SENSORTECH

THERMOMETRICS

PIHER sensing systems

THERMOMETRICS

PIHER sensing systems

HVAC

Temperature Sensors

- High accuracy High stability
- Noise immune NTC option
- Moisture resistant Fast response time

Position Sensors

- Long life Low hysteresis
- Excellent resolution and linearity
- Field-proven Custom connectors and wires

Pressure Sensors

- Leakproof High accuracy
- Media compatibility

Gas Detection Sensors

- Compact design
- Custom packaging options
- Detectable gases: CO2, Hydrocarbons, NOX, Ammonia

Dust Particulate Sensors

- PM2.5 Laser detection
- Fast response High accuracy

Combined Pressure & Temperature Sensors

- Leakproof High accuracy
- Wide pressure range: 10bar to 200bar
- Diagnostic and protective features (ASIL)



SENSORTECH

FUEL HANDLING SYSTEM

Temperature Sensors

- High accuracy High stability
- Integral/pigtail options
- Combination sensor options

Pressure Sensors

- High accuracy High performance
- Long-term stability
- Custom options



TELAIRE





Sensing Technologies												
MAJOR MARKETS SERVED	Thermometrics, Inc. Temperature	Telaire Gas & Moisture	NovaSensor Pressure	Protimeter Moisture Meters	Kaye Thermal Validation	SGX Sensortech	Piher Sensing Systems Position	Wilcoxon Sensing Technologies Vibration	Piezo Technologies Ultrasonic	i2s Pressure & Temperature	All Sensors Ultra Low Pressure	SSI Technologies Level, Quality & Pressure
Aerospace (Commercial)	•		•			•	•				•	•
Agriculture	•	•		•		•	•			•		•
Air Quality		•		•		•					•	•
Automation	•	•					•	•			•	
AUTOMOTIVE	•	•	•			•	•			•		•
After-Treatment	•											
Cabin Comfort	•	•	•			•	•					
Engine Management	•		•							•		•
Fuel Handling System	•		•							•		
HVAC	•	•				•	•			•		
Powertrain	•		•				•			•		
Safety Systems	•	•	•				•			•		•
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					•						•	•
Railway	•							•	•			•
Thermal Validation					•							



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