Amphenol Sensors

Connecting your world through Sensor Innovations

Indoor Air Quality

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.

With indoor air quality on everyone's minds, Amphenol Sensors is more than equipped to answer the call with 30+ years of expertise and field-proven designs.

Our industry-leading sensor technologies are not only able to measure the quality of inhaled air, but also to ensure that it's done in the most efficient way possible.

Capable of detecting multiple gases, including Carbon Dioxide (CO_2), Carbon Monoxide (CO), and Volatile Organic Compounds (VOC), as well as humidity and particulates, Amphenol Sensors also offers air quality sensor solutions that can be used across a wide range of applications, such as offices, classrooms, and residential properties.

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Indoor Air Quality Sensor Solutions

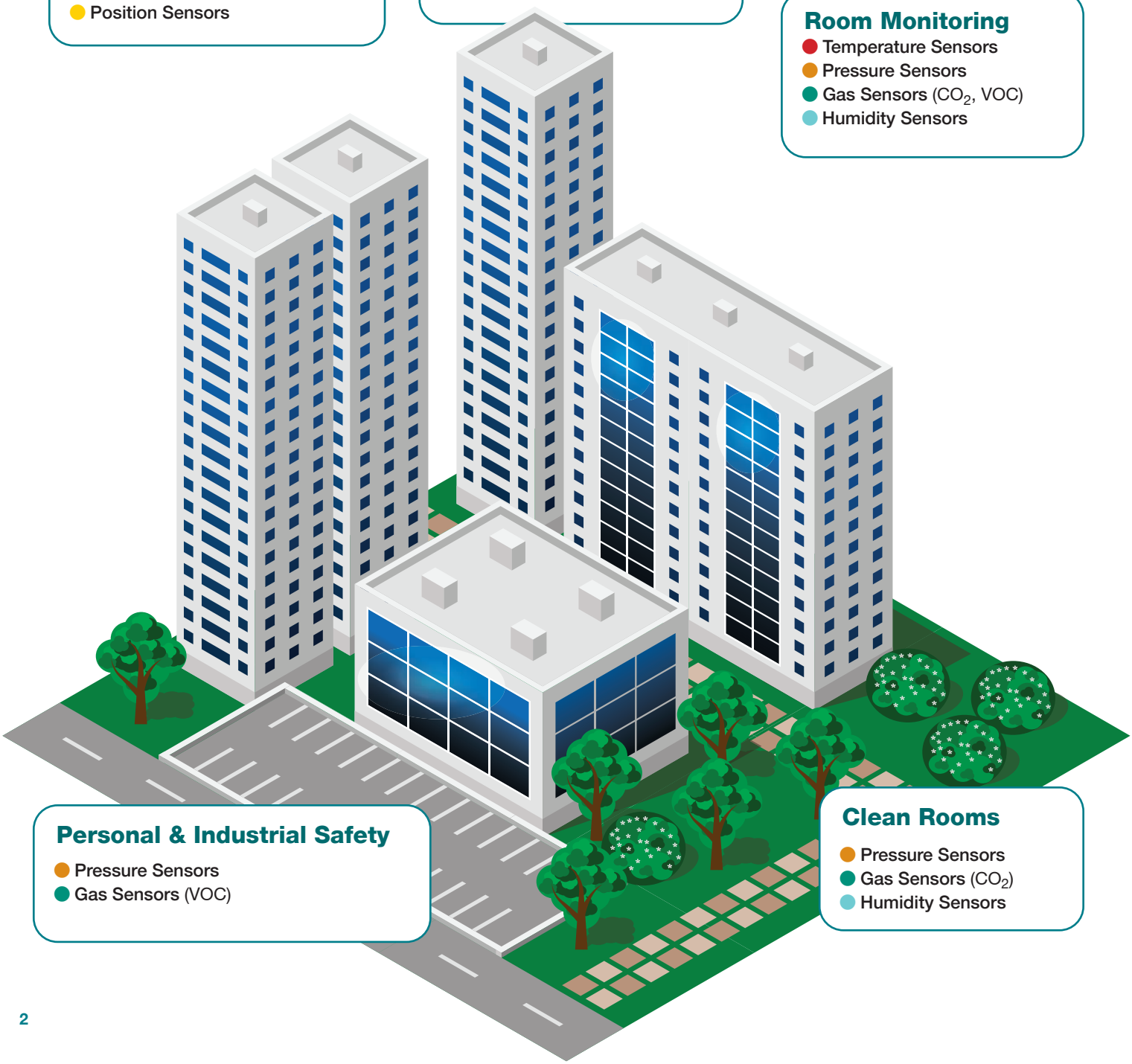
Temperature Pressure Gas Humidity Moisture Vibration Position

Air Handling Unit
- Temperature Sensors
- Pressure Sensors
- Gas Sensors (CO_2, Refrigerant)
- Humidity Sensors
- Vibration Sensors
- Position Sensors

Air Quality Monitoring
- Pressure Sensors
- Gas Sensors (CO_2, VOC, Flammable, Toxic)
- Humidity Sensors
- Moisture Meters

Filter Monitoring
- Pressure Sensors
- Gas Sensors (VOC)

Room Monitoring
- Temperature Sensors
- Pressure Sensors
- Gas Sensors (CO_2, VOC)
- Humidity Sensors



Personal & Industrial Safety
- Pressure Sensors
- Gas Sensors (VOC)

Clean Rooms
- Pressure Sensors
- Gas Sensors (CO_2)
- Humidity Sensors

FILTER & ROOM MONITORING

Temperature Sensors
- Accuracy and stability are second-to-none
- Noise immune thermistors available
- Robust design for harsh environments

Gas Sensors (CO_2)
- OEM sensors and transmitters
- NDIR dual and single channel technology
- Connectivity to building automation systems

Gas Sensors (VOC, Flammable and Toxic)
- Detectable gases: VOC, NO, NO_2, NH_3
- 1000 ppb to 1000 ppm

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

Pressure Sensors
- High stability, accuracy and over-pressure
- Low drift

Ultra Low Pressure Sensors
- High sensitivity, stability and repeatability
- Compact package size
- Analog and digital output

AIR HANDLING UNIT

Temperature Sensors
- Accuracy and stability are second-to-none
- Proven designs
- Customizations available

Gas Sensors (CO_2)
- Lifetime calibration
- Outputs: I^2C, UART, BACnet and analog
- Combination models with CO_2, humidity and temperature

Gas Sensors (Refrigerant)
- Detectable Gases: R290, NH_3, R454, R32, R1234
- Outputs: linearized and analog voltage
- 500/1000 ppm to 100% LEL

Humidity Sensors
- Transmitters and OEM sensors
- Field replaceable sensors
- High IP rating protection

Pressure Sensors
- Types: absolute, vented gauge and sealed gauge
- Stainless steel, robust for harsh environments
- Pressure Range: 3 psi - 7500 psi

Ultra Low Pressure Sensors
- Air flow: monitoring and control
- Pressure ranges: 0.25 inch H_2O to 150 psi
- Outputs: analog and digital

Position Sensors
- Flap motor positioning
- High accuracy (2% linearity)
- Low-cost and long life

Vibration Sensors
- Condition monitoring for fault detection of fans and motors
- Optimized performance and equipment life

AIR QUALITY MONITORING

Pressure Sensors
- High sensitivity, stability and repeatability
- Compact package size

Gas Sensors (CO_2)
- OEM sensors and transmitters
- NDIR dual and single channel technology
- Connectivity to building automation systems

Gas Sensors (VOC, Flammable and Toxic)
- Detectable gases: VOC, NO, NO_2, NH_3
- High sensitivity and range
- User-friendly • Long lifetime • Poison resistant

Moisture Meters
- Diverse range of handheld devices
- Non-invasive and pin (WME) modes of measurement
- For use with many types of materials, including wood, drywall, concrete

PERSONAL & INDUSTRIAL SAFETY

Gas Sensors (VOC, Flammable and Toxic)
- Detectable gases: VOC, NO, NO_2, NH_3
- ATEX Certification
- High sensitivity and accuracy • Low power
- Poison resistant

Ultra Low Pressure Sensors
- Continuous monitoring of air sample flow
- High sensitivity, stability and repeatability
- Compact package size

CLEAN ROOMS

Pressure Sensors
- Positive pressure measurement
- High accuracy and stability
- Compact package size

Pressure Sensors
- High stability, accuracy and over-pressure
- Low drift

Ultra Low Pressure Sensors
- High sensitivity, stability and repeatability
- Compact package size

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, Speed, Current	**Wilcoxon Sensing Technologies** Vibration	**Piezo Technologies** Ultrasonic	**i2s** Pressure & Temperature	**All Sensors** Ultra Low Pressure	**SSI Technologies** Level, Concentration, Speed & Pressure	**Exa Thermometrics** Temperature	**PCB Piezotronics** Vibration, Pressure, Force & Acoustics	**Endevco** Vibration, Pressure & MEMS	**Temposonics** Position, Velocity, Level
Aerospace (Commercial)	●		●			●	●				●	●	●	●	●	●
Agriculture	●	●		●		●	●			●	●	●	●	●		●
AIR QUALITY (INDOOR)	●	●	●	●		●	●	●			●	●	●	●		
Air Handling Unit	●	●				●	●	●			●	●	●			
Air Quality Monitoring		●		●		●					●					
Clean Rooms		●	●								●					
Filter Monitoring	●	●	●			●					●		●			
Room Monitoring		●	●			●					●					
Safety (Personal & Industrial)			●			●					●	●				
Automation	●	●					●	●			●		●	●		●
Automotive	●	●	●			●	●			●		●	●	●	●	●
Construction & Restoration				●								●		●		●
Vehicle Electrification	●	●	●			●	●			●		●	●	●	●	●
Energy	●					●		●	●		●		●	●		●
Environmental Monitoring					●	●					●					●
Heavy Vehicle & Off-Road (HVOR)	●		●			●	●			●		●	●	●	●	●
HVACR	●	●	●			●	●	●		●	●	●	●	●		
Industrial	●	●	●	●		●	●	●		●	●	●	●	●		●
Marine	●					●	●	●			●	●		●		●
Medical	●	●	●		●	●	●		●		●	●				●
Military	●		●			●		●	●		●	●		●	●	●
Non-Destructive Testing (NDT)									●							
Oil & Gas	●		●			●	●	●	●		●	●	●	●		●
Pharmaceutical & Biotech					●	●					●	●		●		●
Process Control	●	●	●			●	●	●		●	●	●	●	●		●
Railway	●					●		●			●	●	●	●	●	●
Thermal Validation					●											

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www.amphenolsensors.com

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