

# Amphenol

## Advanced Sensors

# Sensor Overview

Amphenol Advanced Sensors is a world leader in advanced measurement and sensor-based technology solutions. We design and manufacture precision instruments and systems that measure temperature, pressure, humidity and gas concentration for customers around the world in the Healthcare, Transportation and Industrial Markets. We create value by providing critical information for real time decisions.

### Temperature - Thermometrics

With more than 70 years of technology experience in the development, design and manufacture of high quality sensors, Thermometrics offers one of the most comprehensive ranges of temperature measurement and sensing products in the world today. Thermometrics' temperature technologies include high accuracy NTC thermistors, PTC heaters, non-contact IR and custom design capabilities globally. Thermometrics provides solutions to a wide range of temperature sensing challenges faced by the healthcare, automotive, industrial and consumer markets.



#### Applications

- Intake air & Exhaust gas
- Coolant/transmission fluid
- Outside air & cabin temperature
- Catheter temperature
- Clinical Thermometers
- Neonatal
- Environmental control systems
- High voltage and short circuit protection
- Current limiting & surge suppression



### Humidity

Thermometrics offers a range of elements and fully integrated relative humidity products from sensors and elements all the way up to industrial transmitter for HVAC and specialist applications such as harsh environments, automotive environmental control

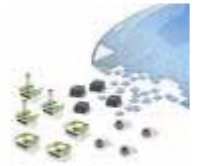


#### Applications

- HVAC
- Instrumentation
- Cargo Storage
- Controls
- Weather Telemetry

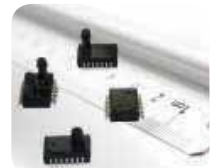
### Pressure (MEMS) - NovaSensor

Equipped with the most advanced design tools and cutting edge laboratories, NovaSensor is a leader in the design, model and fabrication of Microelectromechanical systems (MEMS). NovaSensor's MEMS sensor line includes state-of-the-art, high-performance and cost effective sensor solutions known for their accuracy, reliability and size. Our sensors offer best in class performance for applications in the healthcare, transportation and industrial markets.



#### Applications

- Automotive tire pressure
- Pneumatic controls
- Pressure switches and controllers
- Altimeters and barometers
- Portable gauges and manometers
- Catheter pressure
- Respiratory applications
- Sleep apnea
- Anesthesia
- Ventilation
- Disposable blood pressure



### CO<sub>2</sub> - Telaire

Telaire's product line boasts over 30 patents related to the design and application of low-cost infrared gas sensing, including the Automatic Background Calibration (ABC Logic™) algorithm. We offer a range of OEM CO<sub>2</sub> modules with lifetime calibration warranty, CO<sub>2</sub> instruments and transmitters for various HVAC and ventilation control applications.



#### Applications

- HVAC Transmitters
- Handheld CO<sub>2</sub> and IAQ Instruments
- Residential IAQ
- Indoor Growing (Horticulture)
- Air-to-Air Heat Exchangers

# Amphenol

**Advanced Sensors**

[www.amphenol-sensors.com](http://www.amphenol-sensors.com)

© 2014 Amphenol Corporation. All Rights Reserved. Specifications are subject to change without notice. Other company names and product names used in this document are the registered trademarks or trademarks of their respective owners.