



Sensing the World Around You!

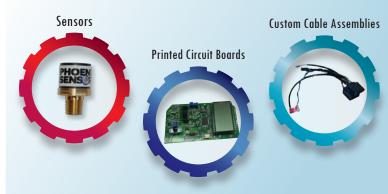




PHOENIX SENSORS is a US based privately held company who designs, manufactures, and distributes OEM pressure sensors, temperature sensors, position sensors, humidity sensors, custom cable assemblies, and custom PCBs (Printed Circuit Boards). We customize sensor, cable, and PCB solutions for a variety of markets. Our OEM customers work together with our engineering teams to optimize solutions for the industrial, commercial, Oil & Gas, and consumer markets. Phoenix Sensors mobile OEM wireless sensor solutions helps solve many of our customers most complicated applications. The specialized backend software solutions are seamless to the end-customers who receive alarm notifications via bluetooth (or Wifi) based on customer selected parameters.

The Phoenix Sensors management and engineering teams have been in the wireless, custom cable assembly, PCB, and sensor business for more than 40 years. We understand how to bring value to the OEM customer base. Providing quality product in a timely manner is top of the priority list at Phoenix Sensors. Our high-tech SMT manufacturing uses automation to optimize our costs and reduce the overall cost to our customers. Our vertical integration of engineering, manufacturing, and sales channels enables Phoenix Sensors to provide custom prototype wireless pressure sensors, humidity, or temperature sensors in a timely manner while holding the highest quality standards.

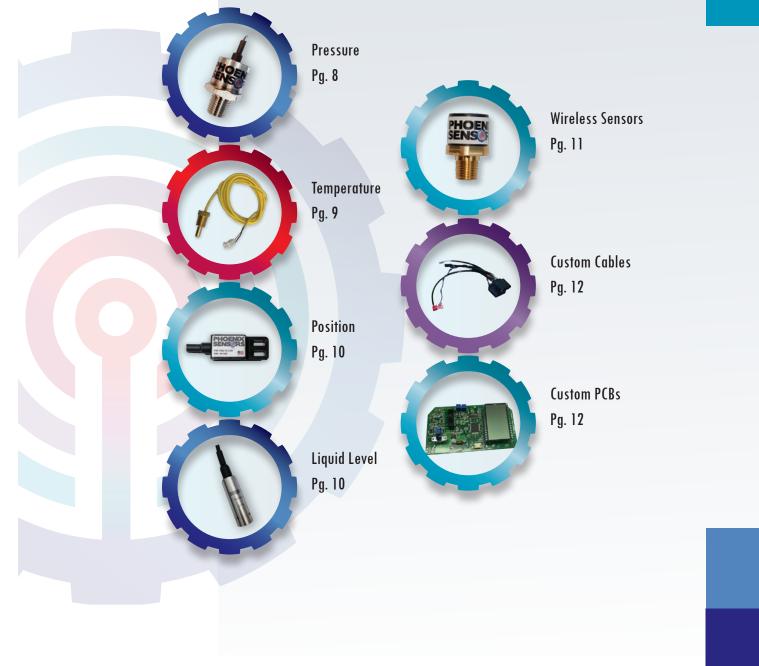
PRODUCTS AND SERVICES



MARKETS SERVED







GENERAL OEM MARKET

Phoenix Sensors Applications Include:



Pool Equipment

VALVE POSITIONERS use pressure and position sensor feedback to provide optimal valve performance. The PPT76 small pressure transducer size with a quick disconnect connector provides a simple solution for a variety of general industrial applications. Spas and residential pools use Temperature and Pressure sensors to provide feedback to end user.



Irrigation Pressure and Temperature Measurement









OIL AND GAS MARKET

Phoenix Sensors Applications Include:



Automated Gas Valves



Oil Pressure Monitoring Equipment

THE OIL AND GAS industry uses High Temperature Pressure sensors for drilling and down-hole applications. Measuring flow with our differential PPT80 High Temperature Pressure sensor allows for precise flow measurement of gas and oil processes. The PPT86 small high pressure (7500 PSI) and high temperature (200C) transducer design measures oilbased muds for drilling processes in the oil and gas industry. Hydraulic Fracturing utilizes high temperature (175 C) pressure sensors for the pumping process, where reliability and accuracy are critical to the mission. Phoenix Sensor's unique temperature compensation technology allows a competitive edge for oil and gas OEM customers.



Remote Wireless Monitoring of Oil Well Heads



AUTOMOTIVE

Phoenix Sensors Applications Include:



Hydraulic Pressure Sensor

THE AUTOMOTIVE INDUSTRY uses pressure

sensors for filter monitoring on Compressed Natural Gas (CNG) catalytic converters, engine oil pressure, back pressure in the exhaust systems, Manifold Absolute Pressure (MAP), tire pressure monitoring (TPM), electronic braking system, and many other applications. The PPT71 miniature pressure transducer, high pressure (7500 PSI), and high temperature (150C) design measures a variety of difficult automotive applications in both racing and standard car/truck applications.



Engine Coolant Temperature Sensors



Oil Pressure



High Vibration Applications





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LIFE SCIENCES

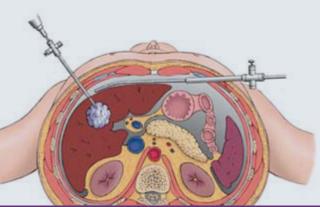
Phoenix Sensors Applications Include:



Fuel Cell Applications

PRECISION TEMPERATURE and pressure sensors are used on Gas Chromotography (GC) and Liquid Chromotography (LC) equipment to provide the most accurate results for the end customer. Phoenix Sensor's wet-wet PPS60 board level pressure sensor solution has enabled GC and LC manufacturers a smaller less expensive solution for a critical applcation in the industry.

Accurate Temperature sensors provide feedback on laboratory thermal cycling equipment. Our miniature waterproof temperature (NTC & Thermocouple) sensors are used for preclinical and clinical equipment. The small diameter (.025") temperature sensors reach the most difficult locations on equipment.



RF Ablation Temperature Monitoring





Water Pressure for Residential and Commercial Buildings



Differential Air Pressure Across Catalytic Converters





PRESSURE



Accuracy: $\pm .1\%$

-10°C - 85°C

Accuracy: \pm .5 % -20°C – 85°C



TEMPERATURE SENSORS

NTC Temperature Probes



PTS**30**

-40-200°C

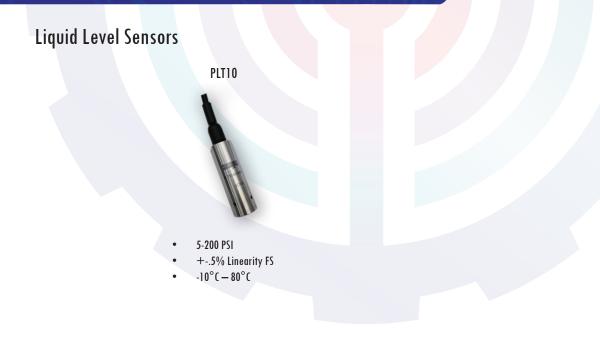
High Temperature Low Cost T/C Probes



POSITION SENSORS



LIQUID LEVEL SENSORS





WIRELESS SENSORS

Wireless Pressure Transducers

WPT202



Wide Pressure Range (1-5000 PSI)

-20-85°C Operating Temperature

Total Error Band 1%

WEPS02



- 0-75 PSI Range
- -20-60°C Operating Temperature
- +- 1 PSI Accuracy

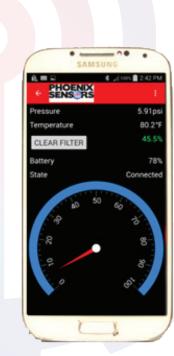
Wireless Temperature Probes

WETS01



Media Temperature Range -40-150C (-40-302F)

Temperature Error +-.25





- Wide Pressure Range (1-5000 PSI)
- -20-85°C Operating Temperature
- Total Error Band 1%



CUSTOM CABLES

ITAR Qualified



Simple Low-Cost Solutions



Complex Cable Assemblies



CUSTOM PRINTED CIRCUIT BOARDS (PCBs)

High Speed SMT Equipment





Through-Hole Capabilities

ITAR Qualified





