



PHOENIX SENSORS



Sensing the World Around You!™



MARKETS SERVED

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, Medical and consumer markets. Phoenix Sensors mobile OEM wireless sensor solutions helps solve many of our customers most complicated applications. The specialized back-end 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.

COMMERCIAL



MEDICAL



OIL & GAS



AUTOMOTIVE

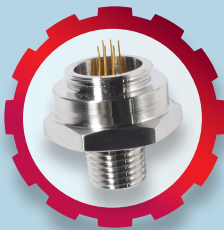


LIFE SCIENCES

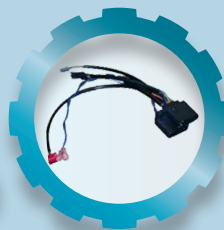


PRODUCTS AND SERVICES

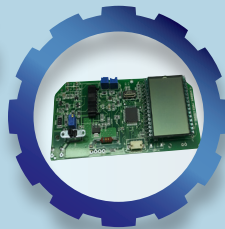
SENSORS



CUSTOM CABLE ASSEMBLIES



PRINTED CIRCUIT





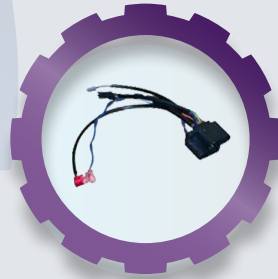
PRESSURE
PG. 9



WIRELESS SENSORS
PG. 11



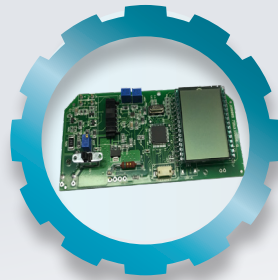
LIQUID LEVEL
PG. 9



CUSTOM CABLES
PG. 12



TEMPERATURE
PG. 10



CUSTOM PCBS
PG. 12

GENERAL OEM MARKET



POOL EQUIPMENT



IRRIGATION PRESSURE AND TEMPERATURE MEASUREMENT



WATER PRESSURE FOR RESIDENTIAL AND COMMERCIAL BUILDINGS

THE PPT7X is a small high level output digital transducer. The stainless steel port design allows for pressure measurement of liquid or gas media. The PPT7X series utilizes piezo resistive pressure sensor pressurized packaged in a stainless steel housing which has superior long term stability and accuracy.



HVAC SYSTEM PRESSURE FOR SUPERHEAT MEASUREMENT



VALVE PRESSURE FEEDBACK FOR FLOW MEASUREMENT



MEDICAL MARKET



SMALL DIGITAL highly accurate pressure sensors, and temperature sensors are used in CPAP, respiratory, and monitoring equipment in the medical field. The PPS34 small wet-wet low pressure (<5 PSI) sensor design measures blood pressure in a number of applications in the medical industry.

.1% accuracy miniature pressure transducers (PPT55) are used in oral evacuation dental equipment to maximize patient experience.



REAL-TIME CONTINUOUS GLUCOSE MONITORING SYSTEMS



CENTRIFUGAL PUMP FOR FLUID MANAGEMENT SYSTEMS



WOUND CARE EQUIPMENT FOR BURN VICTIMS



MEDICAL MONITORING EQUIPMENT



OIL AND GAS MARKET



DOWNHOLE PRESSURE MEASUREMENT



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 PPT70 small high pressure (7500 PSI) and high temperature (175C) transducer design measures oil-based 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



HYDRAULIC PRESSURE SENSOR



FUEL PRESSURE



OIL PRESSURE

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 PPT70 small size, high pressure (7500 PSI), and high temperature (175C) transducer design measures a variety of difficult automotive applications in both racing and standard car/truck applications.



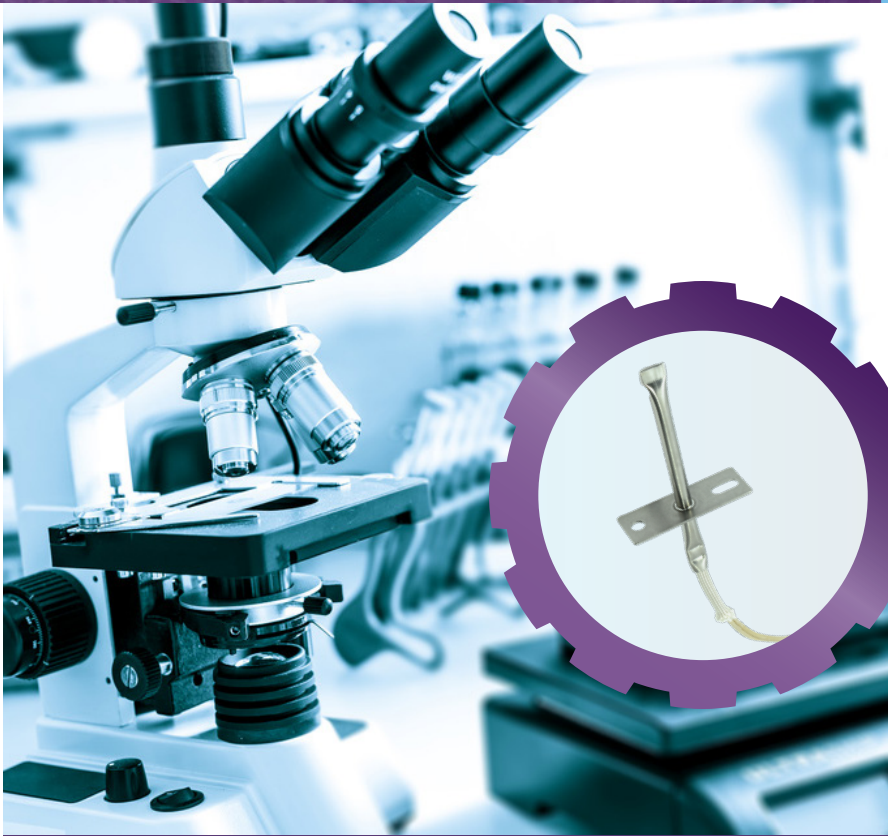
HIGH VIBRATION APPLICATIONS



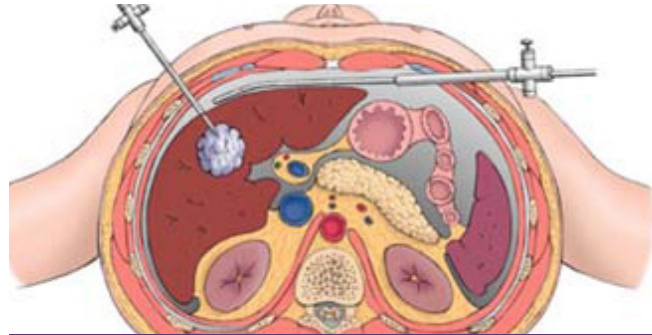
FUEL FILTER DIFFERENTIAL PRESSURE APPLICATIONS (FILTERS)



LIFE SCIENCES



FUEL CELL APPLICATIONS



RF ABLATION TEMPERATURE MONITORING



RESEARCH AND DEVELOPMENT

PRECISION PRESSURE and temperature sensors are used on Gas Chromatography (GC) and Liquid Chromatography (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 application 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.



WATER CONSERVATION SYSTEMS

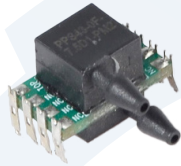


DIFFERENTIAL AIR PRESSURE ACROSS CATALYTIC CONVERTERS

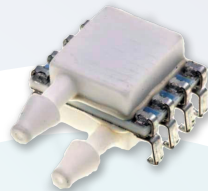
PRESSURE SENSORS

BOARD MOUNT PRESSURE SENSORS

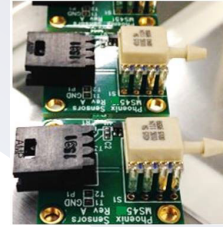
PPS43



PPS41

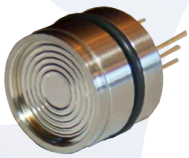


CUSTOM BOARD LEVEL PRESSURE



PRESSURE SENSORS

PPS01



PPS02



PPS03



PPT71



PPT7X



PRESSURE TRANSDUCERS

PPT87



PPT90



PPT81



PPT70



PPT55



WEPS04



WEPS37



LIQUID LEVEL SENSOR

PLT10



TEMPERATURE SENSORS

NTC TEMPERATURE

OVERMOLD PROBES



PTS10

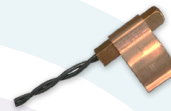


PTS26

METAL TUBE HOUSING



PTH1-0



PTS32

CUSTOM NTC TEMPERATURE PROBES



PTS21

RTD TEMPERATURE

CYLINDRICAL TUBE



PTS25

HIGH TEMPERATURE PROBES



PTS22

CUSTOM RTD TEMPERATURE PROBES



PTS23



PTS24

THERMOCOUPLE TEMPERATURE PROBES

MINIATURE TEMPERATURE



PTS30

HIGH TEMPERATURE LOW COST T/C PROBES



WIRELESS PRESSURE TRANSDUCERS

WEPS04



WEPS06



WEPS37



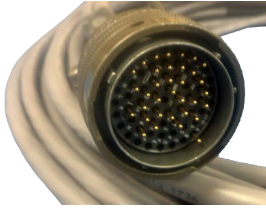
WIRELESS TEMPERATURE PROBES

WETS02

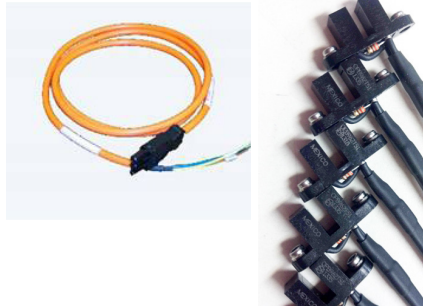


CUSTOM CABLES

ITAR QUALIFIED



SIMPLE LOW-COST SOLUTIONS

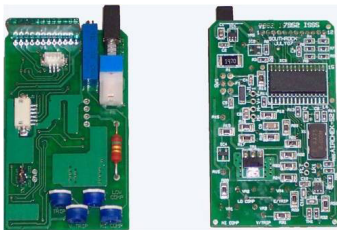


COMPLEX CABLE ASSEMBLIES

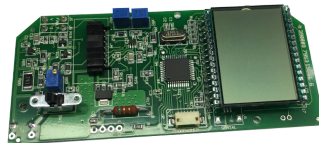


CUSTOM PRINTED CIRCUIT BOARDS (PCBS)

HIGH SPEED SMT EQUIPMENT



THROUGH-HOLE CAPABILITIES



ITAR QUALIFIED

