



# TE Connectivity Sensor Solutions

## Product Line Card



Whether you are looking for detection and/or measurement of flow, pressure, temperature, humidity/optical or fluid properties, position, vibration, even piezoelectric properties, TE Connectivity's (TE) Measurement Specialties sensors offer highly accurate and reliable sensor technologies and solutions. Now available at TTI.

**Reach your local sales team at 1.800.CALL.TTI**

# TE Connectivity Sensor Solutions Product and Application Matrix

	Aerospace and Defense	Automotive	Consumer and Appliance	Environmental Monitoring	HVACR/ Building Equipment	Industrial	Industrial & Commercial Transportation	Medical	Oil & Gas and Marine	Test & Measurement
Fluid Property	◆	◆					◆			
Force	◆					◆		◆	◆	
Humid/Optical		◆	◆	◆	◆	◆	◆	◆		
Piezoelectric	◆		◆			◆		◆		
Position	◆	◆	◆		◆	◆	◆	◆	◆	◆
Pressure	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Temperature	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Vibration	◆									◆



## Flow

Our mass air flow (MAF) sensors are designed for a variety of automotive, medical and industrial gas applications while our flow switches are used for such applications as water control, power showers and circulation pump protection.



## Fluid Property

The fluid property sensor is based on tuning fork technology. It is specifically designed to provide fluid quality and condition monitoring capability to a wide range of dedicated applications including oils (engine, hydraulic, transmission), fuels and DEF (i.e., urea) monitoring.



## Force / Torque

TE is a pioneer in the design and manufacture of precision sensors for electro-mechanical flight control applications, test and measurement applications and ultra-low cost OEM load cells for high volume applications. We are experts in developing sensors that require high performance or unique packaging.



## Humidity

Accurate dew point and absolute humidity measurements are made possible through the combination of relative humidity and temperature measurements. Our products are qualified for the most demanding applications including automotive, heavy truck, aerospace and home appliance.



## Liquid Level

Liquid level products address the sensing requirements of the construction, off-road and automotive industries. Our solutions include level sensors for power steering, coolant, windscreen wash, fuel and oil.



## Photo Optic

Optic-based sensors include both photo optic components and complete sensor solutions. Our component series features dual LED, bi-wavelength emitters and spectrally paired photo detectors.



## Piezo Film

Piezoelectric fluoropolymer film produces voltage or charge proportional to strain. A highly versatile, enabling sensor technology, Piezo Film has thin cross-section, is flexible, very robust, chemically inert and can withstand temperatures up to 85 °C.



## Position

TE is one of the world's largest manufacturers of industrial and automotive sensors for linear displacement, rotary position and speed sensing. Therefore, TE owns a wide range of sensing technologies like MR, PLCD, LVDT and Resolver, and offers the complete spectrum from sensing element up to system packaging for harsh environments. On the strength of our customized design and packaging, based on TE application know-how, we can provide an essential value for our customers.



## Pressure

TE leads the industry with a wide array of standard and custom pressure products. These range from board level components to fully amplified and packaged transducers. Using MEMS and silicon strain gauge (Microfused) technologies, our products measure pressure, ranging from inches of water (<5 mbar) to 100K psi (7K bar).



## Temperature

We manufacture NTC thermistors, RTDs, thermocouples, thermopiles, digital output and customized sensor assemblies. Building on more than 100 years of experience, our know-how allows us to cover one of the largest ranges of temperature measurement, control and compensation applications in the industry.



## Ultrasonic

Ultrasonic sensors provide accurate air bubble detection, contact and non-contact container fill, pump protection and pipeline fluid/type detection. Standard products are offered for level applications that require no moving parts, no adjustments and no maintenance.



## Vibration

Our microelectromechanical systems (MEMS), bonded gage and piezoelectric ceramic/film technologies provide OEM and Test and Measurement customers with the broadest range of sensor solutions in the industry. All products are EAR99, RoHS compliant and meet CE standards.

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