TE Connectivity (TE) is a global technology leader, providing connectivity and sensor solutions essential in today’s increasingly connected world. TE is one of the largest sensor companies in the world. Our sensors are vital to the next generation of data-driven technology.

Today’s smart and green appliances are built using more efficient designs, meeting the latest regulations while saving energy, water and time. Customers rely on our sensor technologies to enable appliances to respond to human touch, sense vibration, adjust to loads and operate more efficiently. We work to develop standard and custom solutions that can monitor humidity, water levels, position and temperature. Our products contribute to new levels of convenience and productivity in a wide range of household appliances.

**APPLICATONS**
- Clothes Dryer
- Cooktop
- Dishwasher
- Household Oven
- Microwave Oven
- Refrigerator
- Small Appliances
- Washing Machine
- Water Heater

**SENSOR SOLUTIONS FOR APPLIANCES**

- **FLOW**
- **FORCE**
- **HUMIDITY**
- **LIQUID LEVEL**
- **PHOTO OPTIC**
- **PIEZO FILM**
- **POSITION**
- **PRESSURE**
- **TEMPERATURE**
- **VIBRATION**
FLOW SENSORS

**FCS-01**
The FCS-01 flow switch can be mounted in any axis and is designed with 3/8" BSP threads for easy installation.

FORCE SENSORS

**FX19**
The FX19 units are intended for OEM use in laboratories, hospitals or consumer product applications, establishing a breakthrough price performance value for compression load cells.

**FX29**
The FX29 is a compact compression load cell that offers exceptional price-to-performance in a robust sensor package with a millivolt, analog or digital output signal.

HUMIDITY SENSORS

**HS101LF**
The HS101LF relative humidity sensor is designed for high volume, cost sensitive applications.

**HTU21D**
The HTU21D/HTU23D relative humidity sensor provides digital outputs for humidity and temperature in FC formats.

**HTU31**
The HTU31 humidity & temperature sensor is one of the smallest and most accurate humidity sensors on the market. Available in digital and analog versions, the HTU31 provides fast response time, precision measurement, low hysteresis and sustained performance, even in the harshest environments.

**HTU3500**
The HTU3500 series is a dedicated humidity and temperature probe and play transducer designed for OEM applications where reliable and accurate measurements are needed.

**HTM2500LF**
The HTM2500LF is a dedicated humidity and temperature transducer designed for OEM applications where a reliable and accurate measurement is needed.

LIQUID LEVEL SENSORS

**EVS722-51**
The EVS722 liquid level switch can be used in a variety of applications in addition to pump control, waste water level and coolant level indication.

**L509-31**
The L509-31 liquid level switch is manufactured from PPv material for applications up to 110°C, including boiling water. It is designed with a 1/2" NPT fitting for simple installation.

**LS Series Horizontal Level Sensors**
The LS504-11 liquid level switch features a silicone sealing washer for easy installation.

**LDS Series Horizontal Level Sensors**
The LDS112-bi level switch offers reed switch technology with a simple silicon sealing grommet.

**VS Series Vertical Level Sensors**
The VS010-bi level switch provides external side entry installation for high or low level sensing.

PHOTO OPTIC SENSORS

**ELM-4000**
The ELM-4000 photo optic emitter assembly are designed for medical applications where selection of peak wavelength is a key requirement. It provides leading accuracy in oxygen level detection.

**EPM-4001**
The EPM-4001 photo optic detector assembly uses a silicon planar diffused photodiode specially designed for medical applications. It features high efficiency and fast response.

**KMT16H**
The KMT16H is a magnetic field sensor utilizing the anisotropic magneto resistance effect.

**KMT22B/KMT37**
The KMT22B and KMT37 are amagnetic field sensors based on the anisotropic magneto resistance effect. These sensors contain two parallel supplies Wheatstone bridges, which enclose a sensitive angle of 45 degrees.

**KMA36**
The KMA36 is a highly reliable universal magnetic position sensor IC for precise rotational or linear measurement with a resolution up to 0.04 degree.

**DPL/DPN Series**
The DPL/DPN series is a modern SMD technology based small board-level dual axis inclinometer applying conductive technology.

**PS-1/PS-2**
The PS magnetic position sensor is constructed with a robust nylon housing for various applications including door interlocks, hook switches and security systems.

**PM Series**
The PM series magnet is compatible with the PS1 and PS2 series magnetic position sensors.

**DT1/SDT1**
The DT series of piezo film sensor elements are rectangular elements of piezo film with silver ink screen printed electrodes.

**Piezo Cable**
The piezo cable is another form of piezo polymer sensor. Designed as a coaxial cable, the piezo polymer is the dielectric between the center core and the outer braid.

**MiniSense 100**
The MiniSense100HT is a low-cost cantilever-type vibration sensor offering moderate sensitivity over a useful frequency band up to 200 Hz.

**POSITION SENSORS**

**KMY/KMZ**
The KMY/KMZ linear magnetic field sensor can sense very weak magnetic fields, like earth’s magnetic field, or fields generated by small magnetic particles.

**KS32/MK32**
The KS32/MK32 is a magnetic field sensor which is built in the form of a Wheatstone bridge.

**Regular Probes**
The regular probes are an NTC thermistor assembly designed for temperature monitoring of meats and sausages. These thermistor probes can be interfaced with micro-controllers through an I²C interface.

**Pointed Food Probe**
The pointed food probe is an NTC thermistor assembly designed for temperature monitoring of meats and sausages and is fully customizable.

**Refrigeration Molded Probe**
The refrigeration molded probes are designed for high volume OEM applications where a rugged, reliable design is required.

**Air Sensor**
The air sensor is a low-cost peristaltic type sensor designed for automotive applications, where various sensing elements and allow for easy installation and accurate measurements.

**Oven Sensors**
The oven temperature sensors provide a high temperature rugged assembly that can be fully customized for accurate and reliable oven cavity temperature sensing.

**Temperature Sensors**
The surface temperature sensors provide accurate and fast thermal response on a wide range of surfaces and can be configured in many ways.

**Temperature Transducers**
The cylinder shaped PNP transducers exhibit omni-directional horizontal beam directivity and broadband characteristics.

**Temperature BIPOLAR PNP transducers**
The cylinder shaped PNP transducers exhibit omni-directional horizontal beam directivity and broadband characteristics.

**PRESSURE SENSORS**

**MS5525DSO**
The MS5525DSO is a digital small outline pressure sensor with SPI and I²C bus interface designed for high volume OEM users.

**MS200**
The MS200 pressure transducer, with analog or digital output, is suitable for measurement of liquid or gas pressure, even for difficult media such as contaminated water, steam and mildly corrosive fluids.

**MSP100**
The MSP100 pressure transducer provides stainless steel media compatibility in a low cost, small profile solution.

**MS4515/MS4525**
The MS45xx series is a small, ceramic based, PCB mounted differential pressure sensor with an analog output signal.

**THERMISTORS**
The oven temperature sensors provide a high temperature rugged assembly that can be fully customized for accurate and reliable oven cavity temperature sensing.

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**VIBRATION SENSORS**

**3022/3028**
The Model 3022 and 3028 are silicon MEMS accelerometers in a Wheatstone bridge configuration.

**LDTC Family**
The LDTC family is a low-cost piezo cantilever-type vibration sensors offering moderate sensitivity over a useful frequency band up to 200 Hz. Pins are designed for easy installation and are solderable.