APPLIANCE SENSORS

TE Connectivity (TE) is a global technology leader, providing connectivity and sensor technologies essential in today's increasingly connected 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.

SENSOR TECHNOLOGIES

Flow | Force | Humidity | Liquid Level | Piezo Film | Position | Pressure | Temperature | Vibration

APPLICATIONS

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

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.

FS19

The FS19 load cell, with ranges from 500g to 3,000g, uses proven MEMS sensor technology.

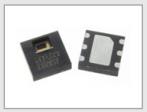
HUMIDITY SENSORS

HS1101LF

The HS1101LF relative humidity sensor is designed for high volume, cost sensitive applications.

HTU21D

The HTU21D(F) relative humidity sensor provides digital outputs for humidity and temperature in I2C 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 plug 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 switches can be used in a variety of applications including sump control, waste water level and coolant level indication.

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 LDS809-21 liquid level switches offer reed switch technology with a simple silicon sealing grommet.

VS Series Vertical Level Sensors

The VS304-21N liquid level switch provides external side entry installation for high or low level sensing.

VIBRATION SENSORS

LDTC Family

The LDTC family is a low-cost piezo film 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.

PIEZO FILM 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 MiniSense 100NM is a low-cost cantilever type vibration sensor offering moderate sensitivity over a useful frequency band up to 200 Hz.

POSITION SENSORS

MS32
The MS32 is a magnetic field sensor which is built in the form of a Wheatstone bridge.

KMT36H
The KMT36H is a magnetic field sensor utilizing the anisotropic magneto resistance effect.

KMT32B/KMT37
The KMT32B and KMT37 are magnetic field sensors based on the anisotropic magneto resistance effect.

KMA36
The KMA36 is a highly reliable universal magnetic position sensor IC for precise rotational or linear measurement with a resolution up to 0.01 degree.

PRESSURE SENSORS

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

86BSD
The 86BSD is a small profile, media compatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing and digital output signal.

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

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

TEMPERATURE SENSORS

Radial Leaded Thermistors
The BetaCURVE Series I radial leaded NTC thermistors are small epoxy coated devices with solid tin-plated lead wires.

Axial Leaded Thermistors
The DO-35 is a glass encapsulated NTC thermistor for various applications and industries.

TSYS Series
The TSYS digital temperature sensor provides industry leading 0.1°C accuracy. The optimized microcircuit design allows fast conversion times along with very low power consumption.

Platinum Thin Film Sensors
The platinum thin film temperature sensor are designed to provide precise, stable measurement in extreme temperature applications.

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

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

TSD Series
The TSD series digital thermopile sensors include an infrared sensor and integrated signal conditioner. These thermopile sensors can directly interface with micro-controllers through an I2C interface.

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