TE Connectivity (TE) is a global designer and manufacturer of sensors and sensor-based systems, providing support to wind engineers in the development, operation and monitoring of wind turbines. TE offers a broad range of sensing technologies to manufacturers, system integrators, wind farm operators, R&D labs and universities. They include vibration sensors for gear box monitoring, accelerometers for tower sway and blade monitoring. Our vibration sensors, speed sensors and temperature sensors provide a variety of real-time and precise inspection data with their superior performance and reliability. TE sensors are enabling engineers to perform efficient equipment monitoring and maintenance and maximize the use of wind turbines.

- TEMPERATURE
- VIBRATION
- LEVEL
- PRESSURE
- POSITION
- SPEED
### TEMPERATURE SENSORS

**Surface Sensors**
The surface temperature sensors are used to monitor or measure temperature on a range of motor and generator applications and are commonly used in the end turns of the windings.

**Embedment Probe**
The miniature embedment RTD probe is a micro temperature sensor designed to be embedded into areas where space is limited.

**Bolt-On Probe**
The transformer probes utilize a Pt RTD element embedded into a ceramic tube and are used to monitor temperature in voltage transformer windings.

**Transformer Probe**
The transformer probes utilize a Pt RTD element embedded into a ceramic tube and are used to monitor temperature in voltage transformer windings.

**Bearing Sensors**
The 310 series tip sensitive bearing RTD probe sensor is a tubular temperature sensor in which the sensing element is encased in a copper alloy tip.

**Stator Sensors**
The 300 series stator RTD sensor is a rectangular, flat, laminated sensor commonly called “Stator Sticks” because they are inserted between the coils in the stator of a motor.

### VIBRATION SENSORS

**8911**
The 8911 wireless accelerometer sensor is designed for vibration monitoring in applications such as predictive maintenance and condition monitoring.

**8711-01/8711LF-01**
The 8711-01 are internally shielded rugged IEPE accelerometers designed for industrial condition monitoring.

**8811**
The 8811 are internally shielded rugged IEPE accelerometers with custom lightning protection up to ±2.5kV designed for harsh industrial condition monitoring where accelerometers could be exposed to lightning.

### PRESSURE SENSORS

**M5200**
The M5200 series compact industrial pressure transducer features a modular design and offers maximum flexibility for different configurations.

**DS100**
The DS100 series differential pressure transducer features a 316L stainless steel wetted surface and sets the performance standard for differential pressure transducers used in demanding environments.

**M5600/US600**
The M5600/US600 series wireless pressure transducers feature a high accuracy, 24-bit ADC digital output eliminating hard wiring and provide remote process control and monitoring.

**AST4000**
The AST4000 series 4-20mA / voltage pressure transducer is an OEM pressure transmitter that includes a welded stainless steel housing and many electrical connections to make it suitable for many industrial applications.

### SPEED SENSORS

**DSL SERIES**
The DSL hall effect single channel speed sensors are suitable, in conjunction with a pole wheel, for generating square wave signals proportional to rotary speeds.

**DSY Series**
The DSY hall effect dual channel speed sensors are suitable, in conjunction with a pole wheel, for generating square wave signals proportional to rotary speeds.

**T500 Series**
The T500 series tachometers measure and monitor frequency signals in the range 0.025Hz to 50kHz.

**T400 Series**
The T400 series is the Jaquet family of single channel tachometers for converting absolute speed into analog voltage output signals.

### LEVEL SENSORS

**Liquid Level Switches**
The liquid level switches provide switch reliability in numerous standard and custom configurations for liquid level switch applications.

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

**POSITION SENSORS**

**D Series**
The D-series of conductive inclinometers offers modern SMD technology in an environmentally protected and robust aluminum housing.

**Pole Bands**
The Pole band strapped to the shaft is a proven approach, where a contactless sensor is to be used to generate signals from a large shaft. It is also a cost-effective alternative to using very large pole wheels.