



WIND TURBINE SENSORS

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**

QUALITY STATEMENTS

- AS/EN 9100
- ATEX
- ATEX 949EC
- CE-MDD
- CMDR - Health Canada
- EN 13980
- ESA 266
- ESCC 266E
- ESCC 400C
- FDA
- ISO 13485
- ISO 14001
- ISO 9001
- MID
- MID 2004/22/EC annex D
- NASA Qualified
- NSF-61 Water Quality
- PART21G
- TS 16949

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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 8811-01 are internally shielded rugged IEPE accelerometers with custom lightning protection up to ± 2.5 kV designed for harsh industrial condition monitoring where accelerometers could be exposed to lightning.



4033

The 4033 is a low noise, triaxial DC accelerometer packaged in a rugged anodized aluminum housing.



11206AC

The 11206AC rate sensor series uniaxial rate gyro is capable of accurately measuring angular rate under varied environmental conditions.



LEVEL SENSORS

Liquid Level Switches

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



PRESSURE SENSORS

M5200

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



D5100

The D5100 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/U5600

The M5600/U5600 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.



POSITION SENSORS

D Series

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



DPL/DPN SERIES

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



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.



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.

