INTRODUCING

E-MOTOR TEMPERATURE SENSOR

- **Good sealing performance for oil & good reliability at high temperature ensure probes work well in those probe un-replaceable applications, such as E-motors**
- **Easier insertion design avoids customer damaging probe or windings caused by difficult installation**



This temperature sensor is designed to monitor the temperature of the electric motor system. The design combines a high precision and high sensitivity Pt element or NTC thermistor, which is sealed and protected by fluoroplastic material. The design provides a rectangular or cylinder shape and smaller size, making the assembly well suited to motor stator system, industrial system or other temperature monitoring system. The sensor design to fulfill reliability requirements, including high and low temperature storage, temperature cycling testing, temperature/humidity cycling and ATF (Automatic Transmission Fluid) oil proof testing.

APPLICATIONS

- Motors
- Generators
- Pumps
- BESS (Battery Energy Storage System)
- BMS (Battery Management System)
- ECC (Electrical Control Cabinet)
- Air conditioning systems
- White Goods

KEY BENEFITS

- High reliability guarantees probe's long-term performance with those probe un-replaceable applications, such as E-motors
- Good sealing performance for oil & good reliability at high temperature ensures probes work well in E-motor environment, which avoid motor damage caused by damaged probe
- Easier insertion design avoids customer damaging probe or windings caused by difficult installation

PERFORMANCE

- High Reliability and Excellent Stability
- Excellent sealing performance: passed ATF (Automatic Transmission Fluid) oil proof testing
- Easier insertion due to small sensor head size (3.4x1.9 mm for rectangular shape, maximum Ø3.5 mm for cylinder shape)

TARGET MARKET

- Industrial

LEARN MORE

- Datasheet | PT E-motor temperature sensor
- Datasheet | NTC E-motor temperature sensor

TE Connectivity, TE and TE connectivity (logo) are trademarks.