Product Brief | New-to-Market

Sensors

Temperature

Thread Tip Series: TH14M4

YAGEO GROUP
Built into Tomorrow

PRODUCT OVERVIEW

YAGEOs Thread Tip Temperature Sensor consists of a Pt sensor element mounted in an M4 thread for excellent thermal conductivity. The sensor is designed for use in environments where precise temperature control and monitoring are critical. With an **operating range from -50 °C to 260 °C** and **high dielectric strength of 3 kV**, the sensor is ideal for applications for BEV & HEV Bus bars, EV charging and industrial automation.



Quick Facts

Nominal resistance: Pt 100 or Pt 1000
Class: F 0.3 (B) according to DIN EN 60751
Operating temperature: -50 °C to 260 °C
Housing: M4 Thread tip, stainless steel

Contact & Information

For special requests (custom designs, etc.), contact regional Product Managers.

Key Selling Points

Features	Customer Value
Dielectric strengths ≥ 3 kV AC	Electrical safety to prevent breakdowns
Protection class IP69	Reliability in harsh conditions
Cable pull force min. 30 N	Resistant against harsh operations
1000h @260°C tested	Highly durable and long-term stability over lifetime
Miniaturized M4 Thread Tip	Ease of installation for small
Custom Designs Available	Flexibility for OEM-specific requests

Target Applications

- **Charging Infrastructure**
- **BEV / HEV bus bars**
- **Heat sinks**
- **Motor and bearing casings**

Market Advantages

- Enhanced Safety Compliance: Dielectric strength ≥ 3 kV AC supports use in high-voltage environments and meets safety standards for EV and industrial applications
- Reduced Downtime: Proven durability with testing ensures long-term reliability
- Differentiation in High-Voltage Applications: Ideal for BEV/HEV bus bars, offering a competitive edge over standard temperature sensors