Power Generation Applications

Advanced temperature sensing and control solutions









For more than 50 years, Minco has provided temperature sensing and control solutions for advanced power generation applications. We understand the demanding requirements of these applications and deliver proven, engineered solutions to meet your requirements.

Flexible, High Performance

- Comprehensive portfolio of temperature sensing products to meet a broad range of power generation application requirements
- Extensive packaging and material compatibility expertise enables application specific thermal solutions that will perform with unmatched accuracy, repeatability and time response
- Custom engineered products available to address unique application requirements and deliver optimal performance

Reliability You Can Count On

- Global certifications for quality and safety, providing high reliability in applications where failure is not an option, including hazardous environments, medical implants, aircraft and satellites
- Complete in-house testing and calibration of temperature sensors traceable to NIST, enabling Minco to back up our product quality with a threeyear warranty.
- · Comprehensive testing and certifications, including:











Custom Engineered Solutions

Minco's experienced engineering team will work with you to understand your requirements and engineer a custom solution for your specific application.

The result: optimal performance, reliability, technology and value for your application.

Power Generation Applications

Motors & Generators

Pumps, Compressors & Gearboxes

Facilities & Process

Minco standard and custom engineered solutions

Stator sensors
Bearing sensors
Anti-condensation heaters
Probes and assemblies
Process assemblies
Non-invasive sensors
Transmitters
Monitors and alarms

Technical Superiority

- Bifilar-wound sensing elements makes Minco RTD's immune to electrical noise, preventing erratic or erroneous measurements
- Ruggedized design creates superior lead pull strength for use in industrial applications



Cost-effective

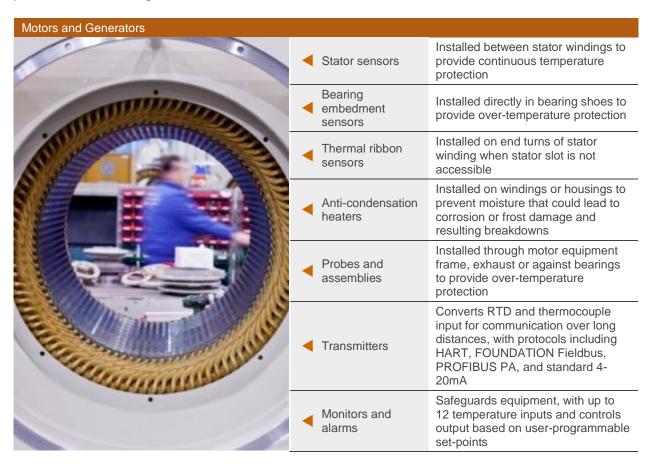
- Supports new installations, or as a direct mechanical and electrical replacement for competitive products
- User-friendly product features, such as spring-loaded holders and non-invasive sensing, enable fast and simple installation and maintenance
- Continuous improvement culture with a focus on lean and six sigma to enable efficient manufacturing

Comprehensive Global Support

- Global supplier with over 50 years of experience supporting advanced sensors for demanding applications
- Responsive worldwide network of engineering, sales and customer service support

Offerings for Power Generation Applications

Minco offers a broad array of products for power generation applications, including standard products, configurable products, and custom engineered assemblies and solutions.





Pump, Compressor and Gearbox Assemblies			
	•	Probes and assemblies	Installed against bearings or equipment frame to provide over-temperature protection
	•	Transmitters	Converts RTD and thermocouple input for communication over long distances, with protocols including HART, FOUNDATION Fieldbus, PROFIBUS PA, and standard 4-20mA
	4	Monitors and alarms	Safeguards equipment, with up to 12 temperature inputs and controls output based on user-programmable set-points
	•	Bearing embedment sensors	Installed directly in bearing shoes to provide over-temperature protection
	4	Anti-condensation heaters	Installed on housings to prevent moisture that could lead to corrosion or frost damage and resulting breakdowns

Facilities and Process				
	Probes and assemblies	Installed in process flows to monitor and control fluid temperature		
	Non-invastive sensors	Installed on tanks, pipes, and various surfaces for temperature monitoring		
	Transmitters	Converts RTD and thermocouple input for communication over long distances, with protocols including HART, FOUNDATION Fieldbus, PROFIBUS PA, and standard 4-20mA		
	Monitors and alarms	Safeguards equipment and process fluids, offering up to 12 temperature inputs and controls output based on user-programmable set-points		

Additional Capabilities

Minco's broad development, integration and assembly capabilities make us more than just a sensor supplier. Our capabilities can help enable optimal functional and packaging efficiency, as well as greater flexibility for your organization. We offer:

- · Comprehensive development support
- Seamless integration of sensors, controllers, heaters, flex circuits and other electronics
- · Broad based assembly capabilities.

For more information on the advantages of working with Minco to develop advanced temperature sensing solutions for your power generation applications, contact your local Minco representative.

