

Wholesale NTC Temperature Probe Supplier with Flexible Custom Solutions from Evergreen



Dongguan, Guangdong Aug 7, 2026 ([Issuewire.com](https://www.issuewire.com)) - Procuring NTC temperature probes often presents challenges that only surface after initial sampling. A probe that performs well in a prototype might drift during mass production due to shifting resistance tolerances, or a cable configuration might fail at the assembly line because connector specifications weren't formally locked. For B2B procurement teams, a reliable supply chain depends on whether the [Wholesale NTC Temperature Probe Supplier](#)

maintains total control over the manufacturing process, from the thermistor element to the final housing.

Dongguan Evergreen Technology Co., Ltd.—operating under the brand Evergreen—specializes in bridging the gap between electrical design and mechanical integration. By managing NTC (Negative Temperature Coefficient) probe production through a single unified system, Evergreen ensures that resistance decreases predictably as temperatures rise, providing the precise feedback required for closed-loop control systems. The company's value proposition is built on four pillars: an application-specific product range, flexible customization, a documented path from sample to production, and a recently upgraded Dongguan manufacturing base designed to support high-volume bulk orders with consistent quality.

Wholesale NTC Temperature Probe Supplier Evaluation Starts with Supply Continuity

Wholesale NTC projects rely on long-term consistency. The true measure of a supplier is their ability to maintain stable resistance characteristics, dynamic response, and assembly compatibility across consecutive production runs as volumes scale. Evergreen organizes its product line around specific application contexts, tying technical parameters to real-world operating conditions from the start.

Models like the EG-N039 for high-precision sensing, the EG-N033 for pipelines, and the EG-N041 for electric vehicle battery management allow buyers to select a baseline model that fits their industry. This approach lets procurement teams confirm customization variables quickly rather than designing from scratch. Every probe Evergreen supplies is engineered for high sensitivity, measurement accuracy, and cost-effective performance, ensuring a reliable data basis for long-term industrial operations.

Flexible Custom Solutions Cover R25, B Value, Probe Structure, And Cable Interfaces

Evergreen's customization services address both electrical and mechanical requirements. On the electrical side, the nominal resistance (R25) and material constant (B value) are tailored to match the buyer's existing system calibration. Measurement ranges and accuracy classes are carefully confirmed during the initial design phase to ensure seamless integration.

Mechanically, probes can be shaped into needles or thin sheets using packaging materials like stainless steel or epoxy resin. Designs are specifically configured for waterproof or high-temperature environments as needed. By confirming cable lengths and connector types before sampling, Evergreen ensures probes arrive at the assembly line ready for immediate use, significantly reducing revision cycles and accelerating time-to-market.

Application-Oriented NTC Probe Options Connect Appliances, Energy Systems, And Industrial Control

A supplier's manufacturing depth is often reflected in the breadth of their application coverage. Suppliers who serve multiple categories have validated more configurations and environmental requirements, making them better equipped to advise on complex or hybrid needs.

Evergreen's range directly maps to the markets its wholesale clients serve. Home appliance solutions cover air conditioners, coffee makers, and water heaters, with specialized models like the EG-N021 for thermal sensing. Energy applications focus on battery pack monitoring, while industrial and medical needs are met with probes like the EG-N028 for control products and the EG-N029 for blood glucose monitoring. This extensive experience ensures that wholesale buyers partner with a supplier already familiar with their industry's specific performance demands.

Sample-To-Mass-Production Workflow Makes Custom Probe Projects More Verifiable

Custom projects often falter when the transition from specification to production isn't formally managed. [Evergreen](#) addresses this with a structured workflow: requirement intake, technical evaluation, drawing and quotation, and final specification confirmation. This creates a documented reference standard that ensures every subsequent production batch matches the original approved sample.

A recent project for a European industrial IoT company highlights this efficiency. The client required a high-precision solution stable from -40°C to +125°C with miniaturized packaging. Evergreen evaluated the needs, recommended a specific NTC solution over RTD alternatives, and confirmed all R25/B value combinations. Samples were delivered within three weeks. Following validation, the project moved smoothly into small-batch production and eventually a long-term partnership, demonstrating the reliability of Evergreen's structured OEM pathway.

Dongguan Factory Expansion Supports Faster Lead Times and Larger Bulk Orders

In May 2026, Dongguan Evergreen Technology completed a major expansion of its production base. This upgrade doubled the production area and added a Class 1000 cleanroom alongside Industry 4.0 manufacturing enhancements. For wholesale buyers, this translates to faster lead times, larger capacity for bulk orders, and enhanced quality control across the global supply chain.

To support this expansion, Evergreen invested in modular automated test systems for faster response time verification and automated laser marking for better traceability. These upgrades ensure that high-volume orders benefit from both increased throughput and rigorous unit-level quality checks.

ISO-Managed Quality Control and Transparent Manufacturing

Evergreen maintains ISO 9001:2015 and ISO 14001:2015 certifications, ensuring that quality and environmental management are woven into every process. From raw material inspection to final aging and insulation tests, the quality control system ensures that every probe meets strict standards for thermal response and durability.

The company operates from a 13,000-square-meter campus powered by 100% renewable energy. The facility features advanced ERP-based management and lean production practices. Buyers are provided with full transparency through documented lab tests, constant-temperature automated equipment, and efficient warehouse logistics, building a foundation of trust essential for B2B partnerships.

Streamlined Inquiry and Procurement Path

Before committing to a wholesale order, procurement teams need clear confirmation on technical specs, sampling timelines, and production lead times. Evergreen's inquiry process is designed to accommodate these needs through direct communication. Buyers receive technical advisory and a structured response path that guides them from the initial datasheet review through to mass production delivery.

Technical Inquiry Path Helps Buyers Confirm Datasheets, Samples, And Production Lead Times

By providing end-to-end solutions rather than just components, Evergreen ensures reliable quality across industries like home appliances, energy, and industrial control. With the recent 2026 expansion and rigorous ISO management, the company is positioned to handle the most demanding bulk

requirements while maintaining the flexibility of custom designs. Overseas B2B buyers are encouraged to explore technical specifications and custom options at <https://www.egn-tech.com/>



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