

Evergreen: China Temperature Sensor Manufacturer with ISO 9001 and ISO 14001 Management Systems

DONGGUAN, GUANGDONG, CHINA, August 7, 2026 /EINPresswire.com/ -- When procurement engineers in Europe and North America evaluate a new component supplier, a specification sheet rarely closes the deal. What advances a manufacturer from shortlist to approved vendor is the quality of the manufacturing infrastructure behind it: certified management systems, documented process controls, and a production base capable of consistent, auditable output at scale. Dongguan [Evergreen Technology Co., Ltd.](#) operates as a [China Temperature Sensor Manufacturer](#) serving industrial, commercial, and OEM sourcing requirements across the home appliance, HVAC, industrial automation, and energy equipment sectors. Its portfolio spans NTC thermistors, PTC sensors, Pt RTD probes, and digital specialty sensors, all manufactured and customized in-house under ISO 9001:2015 and ISO 14001:2015 certified management systems.



In May 2026, Dongguan Evergreen Technology Co., Ltd. completed a full expansion and capacity upgrade of its production base. Combined with the company's dual ISO certification and an established OEM service pathway, the upgrade positions Evergreen as a China temperature sensor manufacturer capable of supporting long-term supply agreements for buyers across Europe and North America.

Evergreen's Temperature Sensor Portfolio: NTC, PTC, RTD, and Digital Sensors for OEM and Custom Supply

Dongguan Evergreen Technology Co., Ltd. produces four principal temperature sensor categories, each supported by in-house manufacturing and application-oriented customization capabilities.

NTC thermistors are designed for fast thermal response, high sensitivity, and precise temperature measurement and control, and are deployed in household appliances, HVAC systems, and industrial automation equipment where real-time feedback drives system efficiency and safety.

PTC temperature sensors serve overheat-protection and self-regulating heating applications such as motor protection and power supply monitoring, where automatic current-limiting behavior is the design requirement.

Pt RTD sensors, including PT100 and PT1000 platinum resistance probes, deliver stable, accurate temperature measurement with exceptional linearity for industrial and scientific applications.

Digital and specialty temperature sensors add communication readiness, multi-point detection, and fault-monitoring support, suited to system-level integration in smart manufacturing and energy monitoring environments.

OEM and ODM customization is available across all four product categories. The company supports full-cycle development from concept to mass production, with configurable parameters such as resistance values, tolerance grades, probe materials, and cable length. A European industrial IoT sensor company required a high-precision NTC solution stable across -40°C to $+125^{\circ}\text{C}$; Evergreen delivered a customized package with a tailored probe enclosure, leading to a second project. Buyers can consolidate supply across sensor types through a single OEM supplier rather than managing separate NTC, RTD, and digital vendor relationships.

ISO 9001:2015 Quality Management System: Raw-Material Inspection through Final Performance Testing

Evergreen's ISO 9001 And ISO 14001 Management Systems underpin a quality management framework that covers the full production cycle—from raw-material incoming inspection through in-process controls to final performance testing. The certification certificate is publicly displayed on the company's About Us page for procurement teams conducting supplier audits.

The quality testing framework addresses four performance dimensions that temperature sensor buyers most frequently evaluate during supplier audits:

Accuracy and resistance consistency — resistance values matching specification across production batches.

Thermal response and aging performance — response characteristics maintained through thermal cycling and operational life.

Environmental durability — stable performance under humidity, vibration, and rated operating stress.

Insulation reliability — electrical isolation integrity across the sensor's rated temperature range.

Two manufacturing upgrades completed in December 2025 reinforce the quality infrastructure.

Dongguan Evergreen Technology Co., Ltd. developed and deployed a modular automated test system for temperature sensor response-time measurement, replacing manual steps with repeatable, automated validation. Simultaneously, an automated laser marking system was commissioned to print permanent machine-readable unique ID on every finished sensor.

Combined with Evergreen's ERP and lab test data management system, each unit ID is bound to raw material batch, production process parameters and finished product test records to realize full-lifecycle batch traceability. These two upgrades push ISO 9001:2015 quality control from written specifications to real-time on-site production tracking.

ISO 14001:2015 Environmental Management System: Sustainable Production and Compliance Documentation

Dongguan Evergreen Technology Co., Ltd. holds ISO 14001:2015 Environmental Management System certification, integrating sustainable production practices into day-to-day manufacturing operations at its Dongguan facility. The certification certificate is publicly accessible on the company's About Us page for sourcing teams that screen for factory environmental management compliance.

The dual ISO 9001:2015 and ISO 14001:2015 certification structure gives buyers a single Custom Temperature Sensor Factory whose quality and environmental systems are both independently certified and publicly verifiable.

Dongguan Manufacturing Base: Class 1000 Cleanroom, Industry 4.0 Upgrade, and Expanded Supply Capacity

In May 2026, Dongguan Evergreen Technology Co., Ltd. completed a full expansion and capacity upgrade at its Dongguan production base, doubling the manufacturing floor area to a 5,000+-square-meter campus. A Class 1000 cleanroom was commissioned as part of the upgrade, establishing the controlled-environment production capability that precision sensor manufacturing requires.

The Industry 4.0 upgrade now active at the Dongguan facility covers smart-manufacturing process integration supported by ERP system management and lean production practices. The

facility infrastructure includes a constant-temperature automated testing area, production line, laboratory, and warehouse and logistics operations, visible to prospective OEM buyers through the factory image gallery on Evergreen's About Us page.

The practical supply-chain consequence of the expansion is direct: Dongguan Evergreen Technology Co., Ltd. can now accept larger bulk orders, confirm tighter delivery timelines, and support framework agreements that require supply continuity across multiple quarters. For OEM partners sourcing China temperature sensor products at production scale, the expanded facility reduces the risk of capacity constraint during seasonal demand peaks. The result is production that is not only larger in volume but more consistent and traceable batch to batch than before the upgrade.

Support for European and North American OEM Buyers

Evergreen provides compliance support for temperature sensor products in accordance with RoHS and REACH requirements, available upon request within the applicable application scope. This support is grounded in the company's dual ISO 9001:2015 and ISO 14001:2015 management systems, which form the documented basis from which compliance declarations are developed and maintained.

For European importers navigating market-access requirements and North American OEM buyers requiring environmental restriction documentation, the compliance pathway at Dongguan Evergreen Technology Co., Ltd. is direct: submit a product inquiry specifying the application scope, and the engineering team evaluates the request and provides compliance documentation alongside supply terms.

The company's OEM service model supports the full cooperation cycle—requirement confirmation, sample production, design validation, and mass production handoff—with engineering consultation available at each stage. As a China temperature sensor manufacturer with certified management systems and an expanded production base, Evergreen gives buyers the documentation foundation for both qualification and ongoing audits.

Dongguan Evergreen Technology Co., Ltd. combines a full-range temperature sensor portfolio—NTC, PTC, Pt RTD, and digital sensors—with ISO-certified quality and environmental management, a newly expanded Dongguan production base, and a structured OEM cooperation pathway. The manufacturing chain runs from raw-material inspection through automated performance testing to traceable, documented delivery. European and North American buyers evaluating Evergreen as a custom temperature sensor manufacturer can submit inquiry forms, datasheet requests, sample requirements, or compliance documentation queries at <https://www.egn-tech.com/>.

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