

# Global IC Temperature Sensor Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global IC Temperature Sensor market size will reach 441.21 Million USD in 2025 and is projected to reach 518.76 Million USD by 2032, with a CAGR of 2.34% (2025-2032). Notably, the China IC Temperature Sensor market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

An IC (Integrated Circuit) temperature sensor is a semiconductor device designed to measure and monitor temperature. These sensors are often integrated into a single IC chip, providing a compact and efficient solution for temperature sensing applications. IC temperature sensors operate based on the temperature-dependent characteristics of semiconductor materials. Common types of IC temperature sensors include analog temperature sensors that produce an output voltage proportional to temperature, digital temperature sensors with built-in analog-to-digital converters for direct digital output, and temperature sensor ICs with additional features like temperature alarms or programmable settings. IC temperature sensors find widespread use in electronics, industrial automation, automotive systems, and various consumer devices where accurate and reliable temperature monitoring is essential for proper functioning and performance.

The major global manufacturers of IC Temperature Sensor include Analog Devices, Texas Instruments, Microchip, NXP Semiconductors, STMicroelectronics, ams-OSRAM,

ROHM, Silicon Laboratories, TE Connectivity, Panasonic, ON Semiconductor, Innovative Sensor Technology IST, Wirth Elektronik, MinebeaMitsumi, HKHONM, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of IC Temperature Sensor. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global IC Temperature Sensor market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the IC Temperature Sensor market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of IC Temperature Sensor industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of IC Temperature Sensor Include:

Analog Devices

Texas Instruments

Microchip

NXP Semiconductors

STMicroelectronics

ams-OSRAM

ROHM

Silicon Laboratories

TE Connectivity

Panasonic

ON Semiconductor

Innovative Sensor Technology IST

Wurth Elektronik

MinebeaMitsumi

HKHONM

IC Temperature Sensor Product Segment Include:

Digital Sensor

Analog Sensor

IC Temperature Sensor Product Application Include:

Consumer Electronics

Automotive Electronics

Industrial Manufacturing

Others

## **Chapter Scope**

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