Temperature Sensors Market by Type (Thermistor, IC, RTD, Thermocouple, & Others), End User (Process Industry (Chemical, Oil & Gas, Power and Others) & Discrete Industry (Semiconductors, Automotive and Others)) and Geography - Global Forecast to 2022

Description: Currently, there is a growing demand for temperature sensors in the semiconductors segment, automotive segment, and in some process industries such as metal, F&B, and plastics among others. This is attributed to the increasing demand for sensing technologies among industry end users, and growing vehicle production in economies such as Japan and India.

This report aims to estimate the market size and future growth potential of the temperature sensors market across different segments such as product type, end users, and geography. The base year considered for the study is 2015 and the forecast for the market size is provided for the period between 2016 and 2022.

Factors such as high demand for temperature sensors among industrial end users, growing concern toward security and surveillance, robust demand for consumer electronics products, developing automotive industry in emerging markets, and government initiatives for environment & safety norms are expected to boost the growth of the market during the forecast period.

The research methodology used to estimate and forecast the temperature sensors market begins with capturing data on key vendor revenues through secondary research. The vendor offerings are also taken into consideration to determine the market segmentation. The bottom-up procedure was employed to arrive at the overall market size of the temperature sensors market from the revenue of the key players in the market.

After arriving at the overall market size, the total market was split into several segments and subsegments which are then verified through primary research by conducting extensive interviews with key people such as CEOs, VPs, directors, and executives among others. The data triangulation and market breakdown procedures have been employed to complete the overall market engineering process and arrive at the exact statistics for all segments and subsegments.

Most of the companies in the temperature sensor market play a major role as service providers and system integrators, and they form an integral part of the temperature sensors market ecosystem. In 2015, the overall temperature sensors market was dominated by Texas Instruments Incorporated (U.S.), Analog Devices, Inc. (U.S.), ABB Ltd. (Switzerland), Honeywell International, Inc. (U.S.), Maxim Integrated Products, Inc. (U.S.), Siemens AG (Germany), Danaher Corporation (U.S.), Kongsberg Gruppen (Norway), TE Connectivity Ltd. (U.S.), Emerson Electric Company (U.S.), Panasonic Corporation (Japan), General Electric Company (U.S.), STMicroelectronics N.V. (Switzerland), Microchip Technology Incorporated (U.S.), and NXP Semiconductors N.V. (Netherlands).

Key Target Audience
- Technology Developers
- Sensor Manufacturers
- Component Suppliers
- OEMs
- Process & Discrete Industry End Users
- Distributors and Traders
- Research Organizations
- Alliances and Associations
- Government Bodies

Scope of the Report

The research report segments the temperature sensors market into the following submarkets:
By Product Type:
- Bimetallic Temperature Sensor
- Temperature Sensor IC
- Thermistor (Negative Temperature Coefficient (NTC) and Positive Temperature Coefficient (PTC))
- Resistive Temperature Detector (RTD)
- Thermocouple
- Infrared Temperature Sensors
- Fiber Optic Temperature Sensors
- Other Types Of Temperature Sensors (Remote Temperature Sensor, MEMS-Based Temperature Sensors, and Other Wireless-Based Temperature Sensors)

By End User Industry:

Process Industry End User:
- Chemical & Petrochemical Industry
- Oil & Gas Industry
- Advanced Fuels Industry
- Metal Industry
- Power Generation & Alternative Power Generation Industry
- Food & Beverage Industry
- Glass Industry
- Plastics Industry
- Refining Industry

Discrete Industry End User:
- Semiconductors Sector
- HVAC Sector
- Healthcare Sector
- Automotive Sector
- Aerospace and Defense Sector

By Region:
- North America
- Europe
- Asia-Pacific
- Rest of the World (Middle East, Africa, and South America)

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