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Global Sensors Market with Focus on Temperature Sensors Market: Size, Trends and Forecasts (2019-2023)

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Abstracts

Scope of the Report

The report titled “Global Sensors Market with Focus on Temperature Sensors Market: Size, Trends and Forecasts (2019-2023)”, provides an in depth analysis of the global sensors market by value, by type, etc. and the global temperature sensors market by value, by product type, by application, by region, etc. The report also provides a regional analysis of the temperature sensors market, including the following regions: North America (the US & Canada), Europe (UK & Germany), Asia pacific (China & Japan), MEA and Latin America.

The report also assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the overall global sensors market has also been forecasted for the period 2019-2023, taking into consideration the previous growth patterns, the growth drivers and the current and future trends.

The global temperature sensors market is highly fragmented with many market players operating worldwide. Some sensors market players operating on a local level while other players operating on a regional and global level. The manufacturers of temperature sensors produce different types of temperature sensors for different applications. However, the competition in the global sensors market with focus on temperature sensors is dominated by few market players. Further, key players of the sensors market are Robert Bosch Gmbh (Bosch Group), Honeywell International Inc., ABB Ltd. (ABB Group) and Sensirion Holding AG are also profiled with their financial information and respective business strategies.

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Country Coverage

- North America
- Europe
- Asia Pacific
- MEA
- Latin America

Company Coverage

- Robert Bosch Gmbh (Bosch Group)
- Honeywell International Inc.
- ABB Ltd. (ABB Group)
- Sensirion Holding AG

Executive Summary

A sensor is defined as a device which can be used to sense a wide range of physical changes in the environment. Sensors usually detect and respond to some kind of input and convert that into an electrical signal. The specific input can be light, heat, pressure or any other environmental factors.

There is a specific criteria to choose a particular type of sensor. The criteria is based upon three factors, which are environmental factors (temperature range, humidity effects, ruggedness, self-test capability, etc); economic factors (availability, cost, life time, etc) and sensor characteristics (sensitivity, stability, error, range, response time, etc). The sensors can be divided into many types: temperature sensors, image sensors, pressure sensors, flow sensors, level sensors, chemical sensors, load sensors, bio sensors and position sensors. The sensors market can also be segmented on the basis

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of technology, named as CMOS (Complementary Metal-Oxide-Semiconductor), MEMS (Micro-Electro-Mechanical System), NEMS (Nano Electromechanical System) and others.

A temperature sensor can be defined as a device which are used to detect and measure temperature through an electric signal. Temperature sensors have a long history with continuously evolving new generation temperature sensors. The temperature sensors market can be segmented on the basis of product type and application.

The global temperature sensors market has increased at a significant CAGR during the years 2015-2018 and projections are made that the market would rise in the next four years i.e. 2019-2023 tremendously. It is expected to increase due to increasing adoption of sensors in automotive sector, escalating use of sensors in industrial products, strong demand for sensors in smart home and building applications, growing adoption of sensors in healthcare equipments, etc. Yet the market faces some challenges such as declining personal computer’s (PCs) shipments, threat from new or unanticipated competition, etc.

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