

Global Automotive Sensor Market 2022-2028

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Abstracts

The global automotive sensor market is likely to register a CAGR of over 11.6% with an incremental growth of USD 37 billion during the forecast period 2022-2028.

The report provides in-depth analysis and insights regarding the current global market scenario, latest trends and drivers into global automotive sensor market. It offers an exclusive insight into various details such as market size, key trends, competitive landscape, growth rate and market segments. This study also provides an analysis of the impact of the COVID-19 crisis on the automotive sensor industry.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the product, application, end user, and region. The global market for automotive sensor can be segmented by product: accelerometers, gas sensors, image and vision sensors, IoT sensors, mass airflow sensors, position sensors, pressure sensors, radar and LIDAR sensors, rotational motion sensors, temperature sensors, others. In 2021, the gas sensors segment made up the largest share of revenue generated by the automotive sensor market. Automotive sensor market is further segmented by application: comfort and convenience, powertrain, safety and security, vehicle control, others. The powertrain segment was the largest contributor to the global automotive sensor market in 2021. Based on end user, the automotive sensor market is segmented into: commercial vehicles, passenger vehicles, specialized vehicles. The passenger vehicles segment is estimated to account for the largest share of the global automotive sensor market. On the basis of region, the automotive sensor market also can be divided into: Asia Pacific, Europe, North America, Rest of the World (RoW). Asia Pacific held the largest share of the global automotive sensor market in 2021 and is anticipated to hold its share during the forecast period.

By product:

accelerometers

gas sensors

image and vision sensors

IoT sensors

mass airflow sensors

position sensors

pressure sensors

radar and LIDAR sensors

rotational motion sensors

temperature sensors

others

By application:

comfort and convenience

powertrain

safety and security

vehicle control

others

By end user:

commercial vehicles

passenger vehicles

specialized vehicles

By region:

Asia Pacific

Europe

North America

Rest of the World (RoW)

The gas sensors market is further segmented into heated planar-type oxygen, heated titania-type oxygen, heated wide-band oxygen, nitrogen oxide, unheated thimble-type oxygen. Among these, the nitrogen oxide segment was accounted for the highest revenue generator in 2021. Furthermore, the powertrain market has been categorized into emission control, engine management, fuel control, ignition control, speed and torque measurement, transmission control. The ignition control segment captured the largest share of the market in 2021 and is expected to maintain its dominance during the forecast period.

The report also provides analysis of the key companies of the industry and their detailed company profiles including ABB Ltd., Amphenol Corporation, ams AG, Analog Devices Inc., Aptiv plc, Autoliv Inc., BorgWarner Inc., Bourns, Inc., Continental AG, CTS Corporation, DENSO Corporation, Hella KGaA Hueck & Co, Honeywell International Inc., Infineon Technologies AG, NEC Corporation, NXP Semiconductors N.V., Quanergy Systems, Inc., Robert Bosch GmbH, Sensata Technologies, Inc., STMicroelectronics N.V., Stoneridge Inc., Sumitomo Electric Industries Ltd., TDK Corporation, TE Connectivity Ltd., Valeo S.A., Velodyne Lidar Inc., ZF Friedrichshafen AG, among others.

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Historical & Forecast Period

This research report provides analysis for each segment from 2018 to 2028 considering 2021 to be the base year.

Scope of the Report

To analyze and forecast the market size of the global automotive sensor market.

To classify and forecast the global automotive sensor market based on product, application, end user, region.

To identify drivers and challenges for the global automotive sensor market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global automotive sensor market.

To identify and analyze the profile of leading players operating in the global automotive sensor market.

Why Choose This Report

Gain a reliable outlook of the global automotive sensor market forecasts from 2022 to 2028 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

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ABB Ltd.

Amphenol Corporation

ams AG

Analog Devices Inc.

Aptiv plc

Autoliv Inc.

BorgWarner Inc.

Bourns, Inc.

Continental AG

CTS Corporation

DENSO Corporation

Hella KGaA Hueck & Co

Honeywell International Inc.

Infineon Technologies AG

NEC Corporation

NXP Semiconductors N.V.

Quanergy Systems, Inc.

Robert Bosch GmbH

Sensata Technologies, Inc.

STMicroelectronics N.V.

Stoneridge Inc.

Sumitomo Electric Industries Ltd.

TDK Corporation

TE Connectivity Ltd.

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