

# **North America Automotive Sensor Market 2020-2030 by Sensor Type, Technology (MEMs, NEMs), Function, Mechanism, Application, Vehicle Type, Mode of Sales and Country: Trend Forecast and Growth Opportunity**

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## **Abstracts**

North America automotive sensor market is expected to grow by 8.0% annually in the forecast period and reach \$9,700.4 million by 2030 driven by rising electrification in automobiles, stringent environment regulations, and growing consumer demand for safety and comfort.

Highlighted with 29 tables and 80 figures, this 146-page report “North America Automotive Sensor Market 2020-2030 by Sensor Type, Technology (MEMs, NEMs), Function, Mechanism, Application, Vehicle Type, Mode of Sales and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America automotive sensor market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2015-2020 and provides forecast from 2021 till 2030 with 2020 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19. The balanced (most likely) projection is used to quantify North America automotive sensor market in every aspect of the classification from perspectives of Sensor Type, Technology, Function, Mechanism, Application, Vehicle Type, Mode of Sales, and Country.

Based on Sensor Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

Temperature Sensor

Pressure Sensor

Position Sensor

Speed Sensor

Level Sensor

Inertial Sensor

LiDAR Sensors

Motion Sensors

Gas Sensors

Oxygen (O<sub>2</sub>) Sensor

Nitrogen Oxide (NO<sub>x</sub>) Sensor

Carbon Dioxide (CO<sub>2</sub>) Sensor

Carbon Monoxide Sensor

Proximity Sensor

Image Sensors

Knock Sensor

Force Sensor  
Torque Sensor  
Other Sensors

Based on Technology, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

Micro-Electro-Mechanical Systems (MEMS)

Nano-Electro-Mechanical Systems (NEMS)

Other Technologies

Based on Function, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

Physical Property Sensors

Process Variable Sensors

Proximity & Positioning Sensors

Chemical Property Sensors

Based on Mechanism, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

Capacitive Sensors

Inductive Sensors

Magnetic Sensors

Optical Sensors

Piezoelectric Sensors

Based on Application, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

Powertrain

Chassis

Body Electronics

Safety and Control

Exhaust Systems

ADAS

Telematics

Other Applications

Based on Vehicle Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

Non-electric Vehicles

Passenger Cars

Light Commercial Vehicles

Heavy Commercial Vehicles

Two-Wheelers

Electric Vehicles (EV)

Battery Electric Vehicle (BEV)

Hybrid Electric Vehicle (HEV)

Plug-in Hybrid Electric Vehicle (PHEV)

Fuel Cell Electric Vehicle (FCEV)

Based on Mode of Sales, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

OEM

Replacement

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2020-2030. The breakdown of key national markets by Technology, Application, and Vehicle Type over the forecast years is also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Specifically, potential risks associated with investing in North America automotive sensor market are assayed quantitatively and qualitatively through GMD's Risk Assessment System. According to the risk analysis and evaluation, Critical Success Factors (CSFs) are generated as a guidance to help investors & stockholders identify emerging opportunities, manage and minimize the risks, develop appropriate business models, and make wise strategies and decisions.

Key Players (this may not be a complete list and extra companies can be added upon request):

Allegro MicroSystems LLC  
Analog Devices Inc.  
Autoliv Inc.  
Continental AG  
CTS Corporation  
Delphi Technologies PLC  
Denso Corporation  
Hella GmbH and Co. KGaA  
Infineon Technologies AG  
Melexis NV  
NXP Semiconductor N.V.  
ON Semiconductor Corp.  
Robert Bosch GmbH  
STMicroelectronics NV  
TE Connectivity Ltd.  
ZF Friedrichshafen

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

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CTS Corporation  
Delphi Technologies PLC  
Denso Corporation  
Hella GmbH and Co. KGaA  
Infineon Technologies AG  
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