

Global Vehicle Emission Sensor Market - Forecasts from 2019 to 2024

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Abstracts

The global vehicle emission sensor market is estimated to grow at a CAGR of 1.02% during the forecast period, reaching a total market size of US\$4.413 billion in 2024 from US\$4.153 billion in 2018. This growth is attributed to the processes and methods being used to reduce pollution caused by automobiles.

Vehicle emission sensor is an electronic device that is placed in the exhaust pipe is used to analyze and calculate the number of emissions being produced by a car or in other words emission sensor measures the exhaust gas concentration. The emission sensor is of two types O₂ sensor and NO_x sensor, The O₂ sensor is used to determine the concentration of O₂ in the exhaust gases as compared to the O₂ present in the atmosphere whereas the NO_x sensor is used to determine the amount of gases dissolved in the exhaust.

There are major key players that are involved in the key developments of the vehicle emission sensor market. For example, a company Faurecia which is headquartered in France has partnered up with DHL and will equip a fleet of commercial vehicles with sensors to monitor the levels of NO_x and fine particulates using a new technology that is being developed by Faurecia. In addition to real-time emissions monitoring, Faurecia will also provide a digital dashboard giving live information about emissions from vehicles.

There are stringent rules and regulations in place in different countries regarding the emissions of vehicles which cause adverse effects on the atmosphere and the environment. Due to this, the demand for vehicle emission sensors is increasing, thus positively impacting the growth of the global vehicle emission sensor market.

By Sensor Type

On the basis of sensor type, the global vehicle emission sensor market is segmented as O2 sensor and NOx sensor. The O2 sensor holds a notable amount of share in the market because it measures the amount of oxygen that is present in the exhaust as compared to in the atmosphere and helps to analyze and control the emissions from the car.

By Vehicle Type

On the basis of vehicle type, the global vehicle emission sensor market is segmented as passenger vehicles, light commercial vehicles, and heavy commercial vehicles. Passenger vehicles hold a significant amount of share in the vehicle emission sensor market as the production and demand for passenger cars is more as compared to the others.

By Geography

By geography, the global vehicle emission sensor market is segmented as North America, Europe, Middle East & Africa, Asia-Pacific, and South America. Asia-Pacific is estimated to hold a good amount of share in the market due to the increasing amount of production and demand of automobiles in the region. North America also holds a notable amount of share in the market and it is expected to increase in the coming years.

Competitive Landscape

The global vehicle emission sensor market is competitive owing to the presence of well-diversified international, regional and local players. The competitive landscape details strategies, products, and investments being done by key players in different technologies and companies to boost their market presence.

Segmentation

The global vehicle emission sensor market has been segmented by sensor type, vehicle type, and geography.

By Sensor Type

O2 sensor

NOx sensor

By Vehicle Type

Passenger Vehicle

Light Commercial Vehicle

Heavy Commercial Vehicle

By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

France

United Kingdom

Spain

Others

Middle East and Africa

Saudi Arabia

Israel

UAE

Others

Asia Pacific

China

Japan

South Korea

India

Others

*NOTE: The report will be delivered in 3 working days.

Contents

1. INTRODUCTION

- 1.1. Market Definition
- 1.2. Market Segmentation

2. RESEARCH METHODOLOGY

- 2.1. Research Data
- 2.2. Assumptions

3. EXECUTIVE SUMMARY

- 3.1. Research Highlights

4. MARKET DYNAMICS

- 4.1. Market Drivers
- 4.2. Market Restraints
- 4.3. Porters Five Forces Analysis
 - 4.3.1. Bargaining Power of Suppliers
 - 4.3.2. Bargaining Power of Buyers
 - 4.3.3. Threat of New Entrants
 - 4.3.4. Threat of Substitutes
 - 4.3.5. Competitive Rivalry in the Industry
- 4.4. Industry Value Chain Analysis

5. GLOBAL VEHICLE EMISSION SENSOR MARKET ANALYSIS, BY SENSOR TYPE

- 5.1. Introduction
- 5.2. O2 Sensor
- 5.3. NOx Sensor

6. GLOBAL VEHICLE EMISSION SENSOR MARKET ANALYSIS, BY VEHICLE TYPE

- 6.1. Introduction
- 6.2. Passenger Vehicle
- 6.3. Light Commercial Vehicle

6.4. Heavy Commercial Vehicle

7. GLOBAL VEHICLE EMISSION SENSOR MARKET ANALYSIS, BY GEOGRAPHY

7.1. Introduction

7.2. North America

7.2.1. By Sensor Type

7.2.2. By Vehicle Type

7.2.3. By Country

7.2.3.1. USA

7.2.3.1.1. By Sensor Type

7.2.3.1.2. By Vehicle Type

7.2.3.2. Canada

7.2.3.2.1. By Sensor Type

7.2.3.2.2. By Vehicle Type

7.2.3.3. Mexico

7.2.3.3.1. By Sensor Type

7.2.3.3.2. By Vehicle Type

7.3. South America

7.3.1. By Sensor Type

7.3.2. By Vehicle Type

7.3.3. By Country

7.3.3.1. Brazil

7.3.3.1.1. By Sensor Type

7.3.3.1.2. By Vehicle Type

7.3.3.2. Argentina

7.3.3.2.1. By Sensor Type

7.3.3.2.2. By Vehicle Type

7.3.3.3. Others

7.4. Europe

7.4.1. By Sensor Type

7.4.2. By Vehicle Type

7.4.3. By Country

7.4.3.1. Germany

7.4.3.1.1. By Sensor Type

7.4.3.1.2. By Vehicle Type

7.4.3.2. France

7.4.3.2.1. By Sensor Type

7.4.3.2.2. By Vehicle Type

- 7.4.3.3. United Kingdom
 - 7.4.3.3.1. By Sensor Type
 - 7.4.3.3.2. By Vehicle Type
- 7.4.3.4. Spain
 - 7.4.3.4.1. By Sensor Type
 - 7.4.3.4.2. By Vehicle Type
- 7.4.3.5. Others
- 7.5. Middle East and Africa
 - 7.5.1. By Sensor Type
 - 7.5.2. By Vehicle Type
 - 7.5.3. By Country
 - 7.5.3.1. Saudi Arabia
 - 7.5.3.1.1. By Sensor Type
 - 7.5.3.1.2. By Vehicle Type
 - 7.5.3.2. Israel
 - 7.5.3.2.1. By Sensor Type
 - 7.5.3.2.2. By Vehicle Type
 - 7.5.3.3. UAE
 - 7.5.3.3.1. By Sensor Type
 - 7.5.3.3.2. By Vehicle Type
 - 7.5.3.4. Others
- 7.6. Asia Pacific
 - 7.6.1. By Sensor Type
 - 7.6.2. By Vehicle Type
 - 7.6.3. By Country
 - 7.6.3.1. China
 - 7.6.3.1.1. By Sensor Type
 - 7.6.3.1.2. By Vehicle Type
 - 7.6.3.2. Japan
 - 7.6.3.2.1. By Sensor Type
 - 7.6.3.2.2. By Vehicle Type
 - 7.6.3.3. South Korea
 - 7.6.3.3.1. By Sensor Type
 - 7.6.3.3.2. By Vehicle Type
 - 7.6.3.4. India
 - 7.6.3.4.1. By Sensor Type
 - 7.6.3.4.2. By Vehicle Type
 - 7.6.3.5. Others

8. COMPETITIVE ENVIRONMENT AND ANALYSIS

- 8.1. Major Players and Strategy Analysis
- 8.2. Emerging Players and Market Lucrativeness
- 8.3. Mergers, Acquisitions, Agreements, and Collaborations
- 8.4. Vendor Competitiveness Matrix

9. COMPANY PROFILES

- 9.1. DEPUA
- 9.2. TE Connectivity
- 9.3. Sensors, Inc.
- 9.4. Littelfuse, Inc.
- 9.5. DENSO
- 9.6. Continental AG
- 9.7. Delphi Auto Parts
- 9.8. BBT Automotive Components GmbH
- 9.9. ACDelco
- 9.10. NGK Spark Plugs

10. APPENDIX

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