

# Automotive Wheel Speed Sensor Market Report by Sensor Type (Active, Passive), Vehicle Type (Passenger Vehicle, Commercial Vehicle), and Region 2024-2032

<https://marketpublishers.com/r/ADB5CE05FAC7EN.html>

Date: April 2024

Pages: 137

Price: US\$ 3,899.00 (Single User License)

ID: ADB5CE05FAC7EN

## Abstracts

The global automotive wheel speed sensor market size reached US\$ 7.7 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 10.3 Billion by 2032, exhibiting a growth rate (CAGR) of 3.2% during 2024-2032.

An automotive wheel speed sensor (WSS), also known as a vehicle speed sensor (VSS), measures the speed of the wheels and the direction of rotation of cars. It provides input to different automotive systems, including the anti-lock brake system (ABS) and electronic stability control (ESC) using electrical signals. It is installed directly above the pulse wheel, which is connected to the wheel hub or the driveshaft. It helps ensure proper driving dynamics, lower fuel consumption, and reduce gas emissions. At present, the automotive WSS finds extensive applications in passenger cars, light commercial vehicles (LCVs), and heavy commercial vehicles (HCVs) across the globe.

### Automotive Wheel Speed Sensor Market Trends:

The increasing utilization of electric vehicles (EVs), in confluence with significant growth in the automotive sector, represents one of the key factors creating a positive outlook for the market. Moreover, the rising road traffic presents numerous challenges to the drivers, and consequently, there is a rise in the adoption of advanced driver assistance systems (ADAS) that optimize safety on the road. Automotive WSS is used in ADAS systems, such as ABS, traction control systems (TCS), adaptive cruise control (ACC), and motor control units (MCU), to determine the wheel speed. Besides this, the optimal interaction of these electronic systems ensures the fault-free function of the vehicle and improves traffic security. Apart from this, governing authorities of numerous countries

are mandating the integration of ABS in automotive vehicles, which is facilitating the growth of the market. Other factors, such as the increasing sales of passenger cars around the world and rising improvements in the performance, materials, mechanics, engines and fuels, aerodynamics, and autonomous control in automotive vehicles, are projected to stimulate the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global automotive wheel speed sensor market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on sensor type and vehicle type.

#### Breakup by Sensor Type:

- Active
- Passive

#### Breakup by Vehicle Type:

- Passenger Vehicle
- Commercial Vehicle

#### Breakup by Region:

- North America
  - United States
  - Canada
- Asia-Pacific
  - China
  - Japan
  - India
  - South Korea
  - Australia
  - Indonesia
  - Others
- Europe
  - Germany
  - France
  - United Kingdom

Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being BorgWarner Inc., Continental AG, DENSO Corporation, FTE automotive GmbH (Valeo), Hella KGaA Hueck & Co. (Faurecia SE), Hitachi Metals Ltd. (Hitachi Ltd.), KA Sensors Ltd., NTN-SNR Roulements S.A. (NTN Corporation), Robert Bosch GmbH, TE Connectivity and ZF Friedrichshafen AG.

#### Key Questions Answered in This Report

1. What was the size of the global automotive wheel speed sensor market in 2023?
2. What is the expected growth rate of the global automotive wheel speed sensor market during 2024-2032?
3. What are the key factors driving the global automotive wheel speed sensor market?
4. What has been the impact of COVID-19 on the global automotive wheel speed sensor market?
5. What is the breakup of the global automotive wheel speed sensor market based on the sensor type?
6. What is the breakup of the global automotive wheel speed sensor market based on the vehicle type?
7. What are the key regions in the global automotive wheel speed sensor market?
8. Who are the key players/companies in the global automotive wheel speed sensor market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL AUTOMOTIVE WHEEL SPEED SENSOR MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY SENSOR TYPE**

- 6.1 Active
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Passive
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast

## **7 MARKET BREAKUP BY VEHICLE TYPE**

### 7.1 Passenger Vehicle

#### 7.1.1 Market Trends

#### 7.1.2 Market Forecast

### 7.2 Commercial Vehicle

#### 7.2.1 Market Trends

#### 7.2.2 Market Forecast

## **8 MARKET BREAKUP BY REGION**

### 8.1 North America

#### 8.1.1 United States

##### 8.1.1.1 Market Trends

##### 8.1.1.2 Market Forecast

#### 8.1.2 Canada

##### 8.1.2.1 Market Trends

##### 8.1.2.2 Market Forecast

### 8.2 Asia-Pacific

#### 8.2.1 China

##### 8.2.1.1 Market Trends

##### 8.2.1.2 Market Forecast

#### 8.2.2 Japan

##### 8.2.2.1 Market Trends

##### 8.2.2.2 Market Forecast

#### 8.2.3 India

##### 8.2.3.1 Market Trends

##### 8.2.3.2 Market Forecast

#### 8.2.4 South Korea

##### 8.2.4.1 Market Trends

##### 8.2.4.2 Market Forecast

#### 8.2.5 Australia

##### 8.2.5.1 Market Trends

##### 8.2.5.2 Market Forecast

#### 8.2.6 Indonesia

##### 8.2.6.1 Market Trends

##### 8.2.6.2 Market Forecast

#### 8.2.7 Others

##### 8.2.7.1 Market Trends

#### 8.2.7.2 Market Forecast

### 8.3 Europe

#### 8.3.1 Germany

##### 8.3.1.1 Market Trends

##### 8.3.1.2 Market Forecast

#### 8.3.2 France

##### 8.3.2.1 Market Trends

##### 8.3.2.2 Market Forecast

#### 8.3.3 United Kingdom

##### 8.3.3.1 Market Trends

##### 8.3.3.2 Market Forecast

#### 8.3.4 Italy

##### 8.3.4.1 Market Trends

##### 8.3.4.2 Market Forecast

#### 8.3.5 Spain

##### 8.3.5.1 Market Trends

##### 8.3.5.2 Market Forecast

#### 8.3.6 Russia

##### 8.3.6.1 Market Trends

##### 8.3.6.2 Market Forecast

#### 8.3.7 Others

##### 8.3.7.1 Market Trends

##### 8.3.7.2 Market Forecast

### 8.4 Latin America

#### 8.4.1 Brazil

##### 8.4.1.1 Market Trends

##### 8.4.1.2 Market Forecast

#### 8.4.2 Mexico

##### 8.4.2.1 Market Trends

##### 8.4.2.2 Market Forecast

#### 8.4.3 Others

##### 8.4.3.1 Market Trends

##### 8.4.3.2 Market Forecast

### 8.5 Middle East and Africa

#### 8.5.1 Market Trends

#### 8.5.2 Market Breakup by Country

#### 8.5.3 Market Forecast

## 9 SWOT ANALYSIS

- 9.1 Overview
- 9.2 Strengths
- 9.3 Weaknesses
- 9.4 Opportunities
- 9.5 Threats

## **10 VALUE CHAIN ANALYSIS**

## **11 PORTERS FIVE FORCES ANALYSIS**

- 11.1 Overview
- 11.2 Bargaining Power of Buyers
- 11.3 Bargaining Power of Suppliers
- 11.4 Degree of Competition
- 11.5 Threat of New Entrants
- 11.6 Threat of Substitutes

## **12 PRICE ANALYSIS**

## **13 COMPETITIVE LANDSCAPE**

- 13.1 Market Structure
- 13.2 Key Players
- 13.3 Profiles of Key Players
  - 13.3.1 BorgWarner Inc.
    - 13.3.1.1 Company Overview
    - 13.3.1.2 Product Portfolio
    - 13.3.1.3 Financials
    - 13.3.1.4 SWOT Analysis
  - 13.3.2 Continental AG
    - 13.3.2.1 Company Overview
    - 13.3.2.2 Product Portfolio
    - 13.3.2.3 Financials
    - 13.3.2.4 SWOT Analysis
  - 13.3.3 DENSO Corporation
    - 13.3.3.1 Company Overview
    - 13.3.3.2 Product Portfolio
    - 13.3.3.3 Financials

- 13.3.3.4 SWOT Analysis
- 13.3.4 FTE automotive GmbH (Valeo)
  - 13.3.4.1 Company Overview
  - 13.3.4.2 Product Portfolio
- 13.3.5 Hella KGaA Hueck & Co. (Faurecia SE)
  - 13.3.5.1 Company Overview
  - 13.3.5.2 Product Portfolio
  - 13.3.5.3 Financials
- 13.3.6 Hitachi Metals Ltd. (Hitachi Ltd.)
  - 13.3.6.1 Company Overview
  - 13.3.6.2 Product Portfolio
  - 13.3.6.3 Financials
  - 13.3.6.4 SWOT Analysis
- 13.3.7 KA Sensors Ltd.
  - 13.3.7.1 Company Overview
  - 13.3.7.2 Product Portfolio
- 13.3.8 NTN-SNR Roulements S.A. (NTN Corporation)
  - 13.3.8.1 Company Overview
  - 13.3.8.2 Product Portfolio
- 13.3.9 Robert Bosch GmbH
  - 13.3.9.1 Company Overview
  - 13.3.9.2 Product Portfolio
  - 13.3.9.3 SWOT Analysis
- 13.3.10 TE Connectivity
  - 13.3.10.1 Company Overview
  - 13.3.10.2 Product Portfolio
  - 13.3.10.3 Financials
  - 13.3.10.4 SWOT Analysis
- 13.3.11 ZF Friedrichshafen AG
  - 13.3.11.1 Company Overview
  - 13.3.11.2 Product Portfolio
  - 13.3.11.3 SWOT Analysis



## List Of Tables

### LIST OF TABLES

Table 1: Global: Automotive Wheel Speed Sensor Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Automotive Wheel Speed Sensor Market Forecast: Breakup by Sensor Type (in Million US\$), 2024-2032

Table 3: Global: Automotive Wheel Speed Sensor Market Forecast: Breakup by Vehicle Type (in Million US\$), 2024-2032

Table 4: Global: Automotive Wheel Speed Sensor Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 5: Global: Automotive Wheel Speed Sensor Market: Competitive Structure

Table 6: Global: Automotive Wheel Speed Sensor Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Automotive Wheel Speed Sensor Market: Major Drivers and Challenges

Figure 2: Global: Automotive Wheel Speed Sensor Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Automotive Wheel Speed Sensor Market: Breakup by Sensor Type (in %), 2023

Figure 5: Global: Automotive Wheel Speed Sensor Market: Breakup by Vehicle Type (in %), 2023

Figure 6: Global: Automotive Wheel Speed Sensor Market: Breakup by Region (in %), 2023

Figure 7: Global: Automotive Wheel Speed Sensor (Active) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 8: Global: Automotive Wheel Speed Sensor (Active) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 9: Global: Automotive Wheel Speed Sensor (Passive) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Automotive Wheel Speed Sensor (Passive) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Automotive Wheel Speed Sensor (Passenger Vehicle) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Automotive Wheel Speed Sensor (Passenger Vehicle) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Automotive Wheel Speed Sensor (Commercial Vehicle) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Automotive Wheel Speed Sensor (Commercial Vehicle) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: North America: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: North America: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: United States: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: United States: Automotive Wheel Speed Sensor Market Forecast: Sales

Value (in Million US\$), 2024-2032

Figure 19: Canada: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Canada: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Asia-Pacific: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Asia-Pacific: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: China: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: China: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Japan: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Japan: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: India: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: India: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: South Korea: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: South Korea: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Australia: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Australia: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Indonesia: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Indonesia: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: Others: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: Others: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Europe: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Europe: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Germany: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Germany: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: France: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: France: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: United Kingdom: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: United Kingdom: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Italy: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Italy: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Spain: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Spain: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Russia: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Russia: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Others: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Others: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: Latin America: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Latin America: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: Brazil: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: Brazil: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Mexico: Automotive Wheel Speed Sensor Market: Sales Value (in Million

US\$), 2018 & 2023

Figure 58: Mexico: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: Others: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: Others: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Middle East and Africa: Automotive Wheel Speed Sensor Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Middle East and Africa: Automotive Wheel Speed Sensor Market: Breakup by Country (in %), 2023

Figure 63: Middle East and Africa: Automotive Wheel Speed Sensor Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 64: Global: Automotive Wheel Speed Sensor Industry: SWOT Analysis

Figure 65: Global: Automotive Wheel Speed Sensor Industry: Value Chain Analysis

Figure 66: Global: Automotive Wheel Speed Sensor Industry: Porter's Five Forces Analysis

## I would like to order

Product name: Automotive Wheel Speed Sensor Market Report by Sensor Type (Active, Passive), Vehicle Type (Passenger Vehicle, Commercial Vehicle), and Region 2024-2032

Product link: <https://marketpublishers.com/r/ADB5CE05FAC7EN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/ADB5CE05FAC7EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

