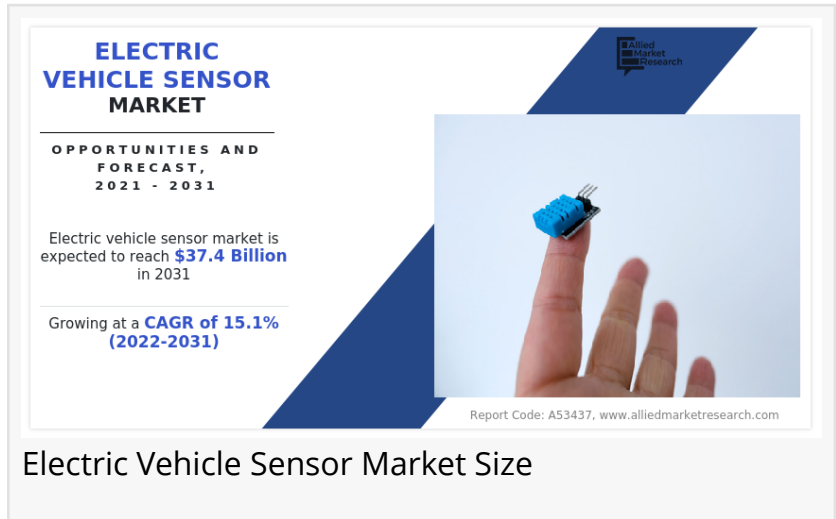


# Electric Vehicle Sensor Market Forecast 2021-2031: Innovations Driving the Future of EV Technology

*Electric Vehicle Sensor Market Expected to Reach \$37.4 Billion by 2031—Allied Market Research*

WILMINGTON, DE, UNITED STATES, October 22, 2024 /EINPresswire.com/ -- Allied Market Research, titled, "[Electric Vehicle Sensor Market](#)," The electric vehicle sensor market size was valued at \$9.6 billion in 2021, and is estimated to reach \$37.4 billion by 2031, growing at a CAGR of 15.1% from 2022 to 2031.



Electric Vehicle Sensor Market Size

□□□□□□ □□ □□□□□□ □□□: <https://www.alliedmarketresearch.com/request-sample/A53437>

The concept of driverless cars is based on the data collected by various sensors such as speed sensors, accelerometers, position sensors, and temperature sensors. This data is constantly collected and processed through a centralized control system, which controls the motion of a car, minimizing the need for a driver. Companies such as Google and Tesla are spending heavily on R&D of such cars and the technology is currently in its testing phase.

“

The key trends include a surge in the adoption of custom-designed electronic devices and propelling demand for pressure sensors in the automotive industry in the electric vehicle sensor.”

*Allied Market Research*

Positive responses from tests are anticipated to drive the electric vehicle sensor industry growth in the future. For instance, in October 2016, Google tested its driverless car in the UK for a 1 km stretch, near a railway station, and a

fleet of 40 such cars is anticipated to be available for public use by the next year. Heavy investments in research and development, as well as in production, by these companies are anticipated to increase the demand for sensors and the market is assured to witness Electric

Vehicle Sensor Market Growth during the coming years. The demand for autonomous and semi-autonomous vehicle technologies has increased as a result of growing safety and security concerns among consumers. Some potential advantages of autonomous and semi-autonomous vehicles include reduced vehicle accidents, improved fuel efficiency, and increased engine productivity.

Moreover, sensors are increasingly used in ADAS and automated driving to provide more critical information about a vehicle's surroundings as improved sensors for connected and autonomous infrastructure become available. Smart automobiles and luxury vehicles will also drive demand for automotive sensors.

Electric vehicle sensor market trends have a great impact on the powertrain segment, which helps in monitoring different types of processes in the engine such as air temperature, engine coolant temperature, and manifold absolute pressure (MAP).

□□□ □ □□□□□□□□□□ □□□□□□□□ □□□□□□ @ <https://www.alliedmarketresearch.com/request-for-customization/A53437>

Temperature sensors provide appropriate measurement values such as pressure, speed, and air, which are required by electronic control units. In addition, these sensors provide features such as robustness within the automotive environment; high accuracy precise control mechanism; and electromagnetic interference. In addition, electric vehicle sensors are ideally used in chassis to detect wheel position to enable closed-loop chassis control. These sensors are usually mounted between the chassis and sprung component to measure suspension travel.

The [electric vehicle sensor market analysis](#) is segmented based on product type, propulsion, and region. By product type, the market is categorized into pressure sensors, temperature sensors, motion sensors, speed sensors, and gas sensors. By propulsion, it is divided into hybrid electric vehicles (HEVs), plug-in hybrid electric vehicles (PHEVs), and battery electric vehicles (BEVs). Region-wise, the fixed switch cabinet market is analyzed across North America (U.S., Canada, and Mexico), Europe (UK, Germany, France, and rest of Europe), Asia-Pacific (China, Japan, India, South Korea, and the rest of Asia-Pacific) and LAMEA (Latin America, the Middle East, and Africa).

Electric vehicles develop temperature and load differences. A vehicle's battery pack also powers the various components that power today's electric vehicles. Advances in electric vehicle battery capacity and charging technology monitor various factors such as changes in temperature, current, and pressure to detect and correct for rises or falls outside the normal operating range while the vehicle is running.

As the world moves to more regulated and safer technology, consumers are drawn to the automation provided by smart sensors. Increasing demand for safety sensors such as crash sensors, seat belt tension, theft, and parking sensors is expected to bring opportunities to

manufacturers, thereby boosting the EV sensor market

Region-wise, the electric vehicle sensor market was dominated by Asia-Pacific in 2021 and is expected to retain its position during the forecast period. This is attributed to an increase in demand among merchants across the U.S. and Canada to use electric vehicle sensors. However, North America is expected to witness a significant Electric Vehicle Sensor Market Share during the forecast period, owing to the penetration of battery electric vehicles (BEVs) across developing nations such as the U.S. and Canada.

For more information, visit: <https://www.alliedmarketresearch.com/purchase-enquiry/A53437>

Key findings of the report:

- By product type, the automotive segment was the highest revenue contributor to the market, whereas the industrial segment is expected to have significant growth during the forecast period.
- By propulsion, the battery electric vehicles (BEVs) segment accounted for maximum revenue and is projected to grow at a notable CAGR during the forecast period.
- Region-wise, the Asia-Pacific region was the highest revenue contributor, accounting for \$4,731.0 million in 2021, and is projected to reach \$20,025.2 million by 2031, registering a CAGR of 16.02% from 2022 to 2031.

The key [electric vehicle sensor market leaders](#) profiled in the report include Bosch, Continental, Denso, Hella, Magneti Marelli, Valeo, and Zensar. These key players adopt several strategies such as new product launch and development, acquisition, partnership and collaboration, and business expansion to increase the electric vehicle sensor market share during the forecast period.

Company Profile:

Allied Market Research is a top provider of market intelligence that offers reports from leading technology publishers. Our in-depth market assessments in our research reports consider significant technological advancements in the sector. In addition to other areas of expertise, AMR focuses on analyzing high-tech and advanced production systems. We have a team of experts who compile thorough research reports and actively advise leading businesses to enhance their current procedures. Our experts have a wealth of knowledge on the topics they cover. Also, they use a variety of tools and techniques when gathering and analyzing data, including patented data sources.

David Correa  
Allied Market Research  
+1 800-792-5285

[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/753780765>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2024 Newsmatics Inc. All Right Reserved.