

NA Vibration Sensors - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

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Report description:

The NA Vibration Sensors Market is expected to register a CAGR of 7.1% during the forecast period.

Key Highlights

- North America has a competitive manufacturing sector. The demand for advanced manufacturing robotic technologies is likely to help the growth of the market in the region.
- The automobile industry is another sector aiding the growth of the market. The vehicle production in the region increased significantly to more than 15 million passenger vehicles, and the country remained the second-largest global vehicle producer after China.
- Due to the increasing shale gas discoveries and replacement of aging infrastructure, the demand for vibrating sensors is high, which thereby helps in increasing the overall market in the region.
- The covid-19 had an adverse impact on the industry as several production facilities were discontinued or stopped momentarily due to a dip in demand for Crude Oil and automobile in the region. This, in turn, decreased the demand for vibration sensors in the market.

North America Vibration Sensors Market Trends

Consumer Electronics to Show Significant Growth

- The rise in preference toward using smart electronic devices, growing middle-class, rising disposable income of consumers, and

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changing lifestyle preferences are some of the major factors driving the demand for consumer electronics, which has an indirect impact on the growth of vibration sensors.

- These sensors are used in consumer electronics for vibration detection to reduce noise and maintenance. When a PC Notebook falls, vibration and shock sensors are used to protect the data of HDDs.
- The sensors are used to detect changes in orientation and screen rotation and detect motion in three directions. The application of vibration sensors in consumer electronics is increasing as the sensors are used to calibrate the position, motion, and acceleration, with which the orientation of the phone and the changes in the screen rotation, images, and various features can be known for user purposes.
- For instance, in June 2021, Fluke Reliability, an operating company of Fluke Corporation, is proud to announce its newest product, the Fluke 3563 Analysis Vibration Sensor system. Vibration monitoring helps maintenance teams reduce unplanned downtime and prevent potentially catastrophic failures from occurring, but it has been difficult or cost-prohibitive to monitor every tier of an asset.

United States to Hold the Highest Market Share

- The United States has allocated the highest budget for defense applications globally, with reported spending of more than USD 597 billion in 2020, which is roughly more than one-third of the overall global military expenditure.
- Key military programs in the United States, including F-35 Fighter Jet, Ohio Class Submarine, KC-46 Aerial Refueling Tanker, Rafael Fighter Programs, etc., elucidate the country's focus on the defense sector.
- New R&D initiatives are transforming the automobile industry to better respond to the opportunities of the 21st century. According to the Auto Alliance, the expenditure on R&D in the US automobile industry is more than USD 18 billion.
- For instance, in September 2021, Reality AI partnered with Fujitsu Component Limited to bring Fujitsu Component's contactless vibration sensor to manufacturing and industrial applications. Reality AI's RealityCheck ADTM for industrial anomaly detection with the Fujitsu Component's contactless vibration sensor based on Doppler Radar Sensor was demonstrated live at the Sensors Converge Expo in San Jose, CA, from September 21 to 23.

North America Vibration Sensors Industry Overview

The North America Vibration sensor market is highly competitive and consists of several major players. In terms of market share, few of the major players currently dominate the market. However, with innovative and sustainable packaging, many of the companies are increasing their market presence by securing new contracts and by tapping new markets.

- November 2021 - IMI Sensors experts will present a free webcast called Vibration Monitoring Solutions for Hydropower Plants. IMI Sensors provides customers with several different options for properly monitoring a hydro machine. These options include some very low-cost solutions that can fall within almost any budget.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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