

# Acoustic Sensors - Global Market Outlook (2017-2026)

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## Abstracts

According to Statistics MRC, the Global Acoustic Sensors Market is accounted for \$4.82 billion in 2017 and is expected to reach \$18.23 billion by 2026 growing at a CAGR of 15.9%. Some of the key factors influencing the market growth include low manufacturing cost, growth of the telecommunications, technological innovations, wireless & passive nature of products and advances in technology such as the shift to LTE. However, factors such as low weight sensitivity and use of other sensors in conventional applications are restricting the market growth.

Acoustic sensors are known for their detection mechanism, which is an acoustic wave. These sensors are widely used in smart phones and base stations in the telecommunication industry. Under the process, the acoustic wave travels through the surface of the material used. Thus, any change in proliferation path would affect the velocity and amplitude of the acoustic wave. Velocity change can be monitored by checking the frequency and phase properties of the sensor used. Thus, it can be matched with the physical quantity being measured.

By type, wireless sensors held significant market share. These sensors need no power to be discretely applied to the sensor, as it gets energy from interrogating radio frequency (RF) pulse to stimulate the acoustic sensor and transmits its response. The wireless nature provides them the ability to compute parameters, such as torque, pressure, and temperature on revolving components with simplicity. By Geography, North America is anticipated to be largest market share during the forecast period owing to the occurrence of prominent system suppliers, big semiconductor companies and sensor manufacturers.

Some of the key players in the global Acoustic Sensors market include Pro-Micron GmbH & Co. Kg, Cognizant Corporation, Panasonic, Honeywell Sensing & Control, Boston Piezo-optics Inc., Kyocera, Campbell Scientific, Inc., Vectron International Inc.,

Siemens Process Instrumentation, Halliburton, IFM Efector, Inc., TDK Corporation, SENSEOR SAS, Raltron, Dytran Instruments, Inc., Hubbell Lighting, Murata Manufacturing Co. Ltd and Schlumberger.

Wave Types Covered:

Surface wave sensors (SWS)

Bulk wave sensors (BWS)

Types Covered:

Wireless

Wired

Sensing Parameters Covered:

Chemical Vapour

Torque

Temperature

Viscosity

Pressure

Humidity

Mass

Other Sensing Parameters

Applications Covered:

Industrial

Consumer Electronics

Automotive

Healthcare

Aerospace & Defense

IT & Telecommunication

Other Applications

#### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

## Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

## South America

Argentina

Brazil

Chile

Rest of South America

## Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

**WHAT OUR REPORT OFFERS:**

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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