

# **Global Acoustic Wave Sensor (SAW And BAW) Market - Forecast, Trend & Analysis - Segmentation By Sensing Parameters [Pressure, Temperature, Mass, Torque, Humidity, Chemical, Touch, Others], Applications And Geography (2013-2018)**

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## **Abstracts**

Acoustic wave sensors are expected to show good growth across different application segments due to their competitive advantages over the other technologies. As of now, temperature, pressure, torque, and viscosity sensors are the only ones to have reached complete commercialization but we predict a healthy growth of the other sensors as well in future as more applications of acoustic wave sensors get realized in the years to come. Acoustic wave temperature and pressure sensors are increasingly used in automotive and industrial applications with some applications of torque sensors as well.

Due to lesser response time, passive nature, and wireless operation, acoustic wave sensors are gradually replacing conventional sensors for a variety of applications such as industrial, automotives, consumer electronics, military and aerospace, and healthcare segments. There has been a growth in the automotive industry that uses sensors to a greater extent from applications such as TPMS (Tyre Pressure Monitoring System), engine management, emission control to monitoring of air volume, torque sensing, exhaust gas pressure of EGR system. Adoption of acoustic wave sensors in many application segments will add on to their consumption in the future. Safety related mandates in regions like North America and Europe are driving the growth of sensors in automotive industry.

Technological advancement is opening new doors for the growth of acoustic wave sensors especially in automotive and medical applications. Penetration of MEMS technology in acoustic wave sensing in future is expected to play a major role in the

overall market in the years to come.

The market size of acoustic wave sensors in the year 2012 was \$256.0 million and is expected to reach \$721.13 million units by 2018, at an estimated CAGR of 20.2%. In terms of volume, the unit shipment for acoustic wave sensors was 848.81 million units in the year 2012 and is expected to reach 2,985.40 million units by 2018, at an estimated CAGR of 24.8% from 2013 to 2018.

## **Scope of the Report**

This research report categorizes the global acoustic wave sensor market on the basis of different parameters sensed using these sensors, the applications for which the sensors are used and geographical analysis; forecasting revenue and analyzing trends in the acoustic wave sensor market.

### **On the basis of sensing parameter**

In this section, acoustic wave sensor market is divided on the basis of sensing parameter into temperature, pressure, mass, torque, humidity, viscosity, chemical vapour, and others.

### **On the basis of applications**

In this section, acoustic wave sensor market is divided on the basis of applications for which the sensors are used. Automotives, military and aerospace, consumer electronics, healthcare, industrial and others are the prominent segments that consume acoustic wave sensors.

### **On the basis of geography**

North America, Europe, Asia-Pacific and ROW are covered in the report.

North America is subdivided into U.S., Canada and Mexico.

Europe is further divided into UK, Germany, France, Italy and others.

Asia-Pacific is subdivided into China, Japan, India and others.

ROW is segmented into Russia, Middle East, and Brazil.

Each section will provide market data, market drivers, trends and opportunities, key players, and competitive outlook. This report will also provide market tables for covering the sub-segments and micro-markets. In addition, it provides 20 company profiles covering the sub-segments such as “Overview”, “Products & Services”, “Financials”, “Strategy”, and “Developments”.

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