Acoustic Wave Sensor Market by Sensing Parameter (Temperature, Pressure, Mass, Torque, Humidity, Viscosity), Application (Automotive, Military & Aerospace, Consumer Electronics, Healthcare and Industrial), Geography - Forecast to 2020

Description: In acoustic devices, the change in the oscillation frequency is monitored when it responds to the input stimulus, which could be physical, chemical, or biological. The acoustic propagation path is monitored as it propagates over the surface of any material. The change in the propagation path affects the velocity and amplitude of the wave. The phase characteristics of the wave help monitor the change in velocity, which can be further mapped to the physical quantity being measured. Acoustic wave sensor has widespread applications across varied industry verticals, such as automotive, medical, industrial, and commercial sectors. They are competitively priced, reliable, sensitive, and inherently rugged.

The global acoustic wave sensor market is estimated at $387.12 million in 2015 and is projected to reach $1,183.52 million by 2020, at a CAGR of 25.0% from 2015 to 2020.

The global acoustic wave sensor market is primarily driven by their wireless and passive nature. This implies that no power needs to be separately applied to the sensor as it gets the energy from interrogating RF pulse to excite SAW and transmit its response. Wireless nature provides them the ability to measure parameters such as torque, pressure, and temperature on rotating components with simplicity. The increasing demand for use of acoustic-based MEMS (Micro-Electromechanical Systems) devices is expected to boost the overall growth of the global acoustic wave sensor market.

The report includes company profiles of major players, recent activities in the market, new product launches, mergers & acquisitions, collaborations and partnerships, and SWOT analysis.

Some of the companies profiled in this report are API Technologies (U.S.), AVX Corporation (U.S.), Boston Piezo-Optics Inc. (U.S.), CeramTec (Germany), Honeywell International, Inc. (U.S.), Kyocera Corporation (Japan), Murata Manufacturing Co., Ltd. (Japan), Panasonic Corp. (Japan), Raltron Electronics Corp. (U.S.), SENSeOR (France), and Teledyne Microwave Solutions (U.S.).

Customization Options:

With the market data, you can also customize MMM assessments that are in accordance to your company's specific needs. Customize to get comprehensive industry standard and deep dive analysis of the following parameters:

Product Analysis
- Usage pattern (in-depth trend analysis) of products (Segment wise)
- Product Matrix, which gives a detailed comparison of product portfolio of each company mapped at country and sub-segment level
- End-user adoption rate analysis of the products (segment-wise and country-wise)
- Comprehensive coverage of product approvals, pipeline products, and product recalls

Sensing Parameters Data
- Country specific data of sensing parameters, such as, temperature, pressure, mass, torque, humidity, viscosity, and chemical vapor
- Premium insights of acoustic sensor technology

Comparative Analysis
- Market data of top companies
- Key developments of top companies

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