Pressure Sensors Market Analysis by Technology, by Application and Segment Forecasts to 2020

Description:
Pressure Sensors Market Analysis By Technology (Capacitive, Electromagnetic, Optical, Piezoresistive, Resonant Solid-State), By Application (Automotive, Consumer Electronics, Industrial, Medical, Oil & Gas) And Segment Forecasts To 2020

The global pressure sensors market is expected to reach USD 9,434.1 million by 2020. Favorable regulations including the U.S. government's directive aimed at mandatory installation of Tire Pressure Monitoring Systems (TPMS) in vehicles are expected to be critical for market development.

Proliferation of smartphones and tablets is expected to increase the demand for pressure sensors which are used in Global Positioning System (GPS) lock applications, wherein the GPS chipset determines altitude of the smartphone by locking on to a satellite signal and calculating positions. MEMS sensors, which were predominantly used in HVAC and industrial applications, are now being incorporated into consumer electronics equipment, which is further expected to boost market growth. End-use segments are drifting towards maturity which is expected to be a challenge market growth over the next six years.

Further key findings from the study suggest:

- Piezoresistive pressure sensors dominated the market in 2013, accounting for over 25% of the overall revenue owing to their extensive usage in automotive, medical, and consumer electronics applications. Optical and resonant solid-state pressure sensors are expected to witness high growth over the forecast period.
- Automotive was the largest application market for pressure sensors in 2013, accounting for over 25% of the total demand, which can be attributed to the usage of pressure sensors in monitoring the pressure of crucial parameters such as oil, fuel, transmission, and brake. Consumer electronics is expected to be the fastest growing application segment on account of the use of pressure sensors in GPS applications.
- Asia Pacific was the largest regional market in 2013, contributing to over 30% of the global revenue, which is primarily due to growth in end-use sectors and increased demand from India and China.
- Companies operating in the market include ABB Ltd., Emerson Electric, GE, Honeywell International, and STMicroelectronics N.V. The industry is fragmented in nature, with participants entering in mergers and acquisitions in order to gain market share.

For the purpose of this study, the report has segmented the global pressure sensors market on the basis of technology, application and region:

Pressure Sensors Technology Outlook (Revenue, USD Million, 2012 - 2020)
- Capacitive
- Electromagnetic
- Optical
- Piezoresistive
- Resonant solid-state
- Others

Pressure Sensors Application Outlook (Revenue, USD Million, 2012 - 2020)
- Automotive
- Consumer Electronics
- Industrial
- Medical
- Oil & Gas
- Others

Pressure Sensors Regional Outlook (Revenue, USD Million, 2012 - 2020)
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