Exhaust Sensor Market for Automotive by Sensor Type, Fuel Type, Vehicle Type, & by Region - Industry Trends & Forecast to 2020

Description: 

"Exhaust Sensor Market for Automotive by Sensor Type (Exhaust Temperature & Pressure, O2, NOx, Particulate Matter, Engine Coolant Temperature, & MAP/MAF Sensor), Fuel Type (Gasoline & Diesel), Vehicle Type, & by Region - Industry Trends & Forecast to 2020"

Sensors are an integral part of automobiles and play a key role in driving efficiency, safety, comfort, and emission control. They have various automotive applications, right from the engine to the exhaust system. The growth of automotive sensors can be directly attributed to the increasing use of electronics in the automotive industry for safety, driving control, emission control, and luxury. Emission sensors are a commercially attractive segment of the overall automotive sensors market and are estimated to grow at a CAGR of 6.59% from 2015 to 2020. Asia-Oceania is estimated to be the largest market for exhaust sensors. The region comprises countries such as China and India, which together account for two-thirds of the global population. A large chunk of the population in the region constitutes urban-based working youth with high disposable income. This is driving the demand for vehicles in the region. Europe is also an attractive market for emission sensors, owing to its stringent Euro norms. The market is estimated to account for a share, by value, of 20.2% of the global exhaust sensor market in 2015. It is projected to grow at a CAGR of 6.23% during the forecast period. Germany, the U.K., and France are the key contributors to the European market. Several automotive companies are expanding their after-treatment device facilities in Europe, owing to its stringent emission norms.

The global medium commercial vehicle (MCV) and heavy commercial vehicle (HCV) markets are estimated to stabilize between 2014 and 2024 after a volatile period from 2004 to 2013. Country-wise growth for these commercial vehicles suggest 1% - 2% growth for China and Brazil, a staggering 7% - 8% growth for India, and around 6% growth for Europe. The high demand for commercial vehicles is projected to boost the market for diesel vehicles, which in turn, would boost the global market for exhaust sensors. The stringent emission regulations that limit the particulate matter in diesel vehicles are boosting the particulate matter sensor market, which is poised to grow at an impressive CAGR of 10.10%.

This report classifies and defines the automotive emission sensor market size, in terms of volume and value. It provides a comprehensive analysis and insights (both, qualitative and quantitative) into the automotive exhaust sensor market, while highlighting the potential growth opportunities in coming years. It reviews the market drivers, restraints, growth indicators, challenges, market dynamics, competitive landscape, and other key aspects with respect to automotive particulate matter sensor products. The report also covers who supplies whom data for all the key market players and the product life cycle for each sensor type.

This report segments the automotive exhaust sensor market as follows

- By Sensor Type
  - Exhaust temperature and pressure sensor
  - Oxygen sensor
  - NOx sensor
  - Particulate matter sensor
  - Engine coolant temperature sensor
  - MAP/MAF sensor
- By Vehicle Type
  - Passenger car
  - LCV
  - HCV
- By Region
  - North America
  - Asia-Oceania
  - Europe
  - RoW

The key players in the automotive emission sensor market have also been identified and profiled.
Target Audience

- Automotive exhaust manufacturers
- Automotive sensor manufacturers
- Automotive engine management system manufacturers
- Equipment service providers
- Governments and research organizations
- Consulting companies in the automotive sector
- Manufacturers of Emission Controls Association (MECA)
- AECC (Association of Emission Control By Catalyst)
- Emission Control Technology Association

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