

## Automotive Sensors: Market Shares, Trends, Companies and Forecasts to 2010

**Description:** As the electronic content in vehicles increases, demand for automotive sensor applications will continue to grow unabated. While certain types of sensor have long since featured inside vehicles, such as oil pressure, coolant temperature, vehicle speed and fuel level sensors, new applications are emerging, particularly in the emissions and safety related areas.

This exclusive new report focuses in particular on four main types of sensor:

- position;
- acceleration;
- pressure; and
- temperature

Position sensors use both contact and contact-less designs to register displacement and angle (e.g. steering wheel angle or brake pedal angle). Acceleration sensors are used to measure acceleration forces in the vehicle. Pressure sensors may be used in smart airbag systems, tyre pressure monitoring systems and common-rail injection systems. Temperature sensors are used to measure temperatures in vehicle intake air, outside atmosphere, cabin, ventilation and heating air, evaporator, engine coolant, engine oil, battery, fuel, tyre air, exhaust gas and brake calipers.

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