

China Auto MEMS Pressure Sensor Market Report, 2008-2009

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Abstracts

Automobile is one of the primary applications for MEMS pressure sensors. A high-end passenger car needs to install over one hundred sensors of all kinds. Nearly 30 of them are the MEMS sensors and about five to six are the MEMS pressure sensors which consist mainly of the intake manifold pressure sensor (MAP Sensor), barometric pressure sensor (BAP Sensor), hydraulic tank sensor, TPMS pressure sensor, airbag pressure sensor and ESC/ESP pressure sensor. Currently, TPMS pressure sensor and ESC/ESP pressure sensor are rendered as the two applications of best outlook.

The auto MEMS sensor market scale amounted to over 400 million units in 2006 and will hit 800-900 million units from 2011 to 2012. The auto MEMS sensor's CAGR will stand around 7-8% in the next few years.

Apparently, the developed countries have more opportunities to develop the auto MEMS pressure sensor market since their advanced technologies and favorable policy support. Though the application of auto MEMS pressure sensor takes a rising proportion in China, the market still cannot see the fast development in a short term.

Most MEMS pressure sensors' policies will be expired in 2012, which means TPMS and ESC sensors will be the standard configuration in developed countries' auto markets after 2012. China-made automobiles exported to EU and the USA have to be provided with the above sensors, so do the automobiles imported from the European and American markets, which will beyond doubt greatly improve the application of the MEMS pressure sensor.

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