

# NOX SENSOR

Nox sensors as one of the important members of SCR system, are composed of sensor probe and electronic control unit. They are connected by a wire harness to measure the concentration of nitrogen oxides in tail gas and the concentration of oxygen. In practical application, the probe is installed in the tail gas pipeline of the automobile, and the concentration of the tail gas will be fed back to the electronic control unit by the ceramic chip in the form of voltage. The heating temperature of the sensor probe is controlled by the electronic control unit. After a series of signal conditioning, the concentration of NOx and oxygen in the pump is finally determined. The electronic control unit communicates with the vehicle control center (ECU) through the CAN, and transmits the measured gas values to the vehicle control center (ECU) in real time, which provides the basis for SCR injection quantity, so as to reduce the emission of NOx.



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# OXYGEN SENSOR

The function of the car oxygen sensor is to measure the excess oxygen in the exhaust gas after the combustion of the engine, and convert it into an electrical signal to be transmitted to the ECU, so that the ECU can realize the closed-loop control with the excess air coefficient as the target. Improve the efficiency of fuel use, thereby saving energy and maximizing the purification of pollutants.

## Concentration(Switch) Oxygen Sensor

Applicable for threeway catalytic system in electronic fuel injection engines; widely used for low exhaust emission standards.



## A/F Oxygen Sensor

Applicable for electronic fuel injection engines lean combustion control system; main for Japanese cars types; Improving fuel combustion efficiency.



## Wideband Oxygen Sensor

Wideband oxygen sensors are widely used in current various model models of automobile due to their high sensitivity and high performance.

