

PREXAparts is Brechmann Handels GmbH & Co. KG's performance brand for high-quality OE ident parts. With over 45 years of experience, we only supply selected ident parts of outstanding quality that meet and often exceed the OE parts standard in terms of precision, quality and function. We deliver top quality at competitive prices – fast, reliable and efficient.

## NOx-Sensors

### Benefits at a glance

Production and process safety as well as quality assurance comply with official OE standards

PREXAparts products offer the same accuracy and service life as the original parts

Every product is subject to PREXAparts quality assurance checks

PREXAparts products are designed as 1:1 replacements for OE parts and offer the same reliability

Always up-to-date database of all items – available at any time on TecDoc

Our large stock ensures fast and high availability at all times



### Facts & Know-How



NOx-sensors have been used in both petrol and diesel vehicles since the introduction of the Euro 5/6 emissions standard to measure nitrogen oxides in the exhaust system. The values determined by the sensor are required by the engine management system to correctly calculate the air-fuel mixture, the urea injection quantity or the exhaust gas recirculation rate. Depending on the application, one or two sensors are used.

Diesel vehicles require NOx sensors for the SCR system. Here, urea (AdBlue®) is injected into the exhaust gas stream to convert nitrogen oxides into nitrogen (N<sub>2</sub>) and water (H<sub>2</sub>O).

NOx-sensors consist of two system components, the sensor and the sensor control unit. The control unit processes the measurement results from the sensor unit and forwards them to the higher-level control units via the CAN data bus. A special heating element in the sensor ensures the required operating temperature of around 300 °C.



› Expertise › Qualification › Quality › Reliability

