

## Sensor Systems

# NO<sub>x</sub> Sensor

The NO<sub>x</sub> sensor is a stand-alone multifunction sensor, which can be operated, for example, with the ALL-IN-ONE.GAS engine control unit (ECU list 1.8) or the new MOTORTECH NO<sub>x</sub> Monitoring EasyNO<sub>x</sub>. The sensor can be used to control various types of exhaust gas aftertreatment and thus helps to comply with current and future emission regulations.

### Features

- Supports compliance with applicable emission regulations
- Output signal: NO<sub>x</sub> or O<sub>2</sub> concentration
- Digital data transmission via CAN bus (SAE J1939)
- Integrated control electronics
- Independent of catalyst and ECU manufacturer and engine management system
- Self-diagnostics



### Technical Data

- Cable length: 90 cm
- Connection thread: M20 x 1.5
- 5-Pin Hirschmann Connector
- Output signal: NO<sub>x</sub> or O<sub>2</sub> concentration
- Power supply 24 V
- Data connection CAN Bus (SAE J1939; 250 KBaud)
- Max. exhaust gas temperature: 850 °C
- NO<sub>x</sub> measuring range: 0–3012 ppm
- O<sub>2</sub> measuring range: 0–20.9 Vol %
- CE certificate
- Service life expectancy: 8.000 h at 90 °C of evaluation unit
- NO<sub>2</sub> correction factor (K<sub>NO<sub>2</sub></sub>): 0.85 (factory set)

### Ordering Information

P/N	Description	Equivalent to
56.03.003	NO <sub>x</sub> Sensor (24 V)	56.03.002
07.81.074	Welding boss NO <sub>x</sub> sensor	
75.90.1108	Closing screw for welding boss	
06.30.172-15	Harness for NO <sub>x</sub> sensor, 15 m length	
06.30.173-15	Harness for 2 NO <sub>x</sub> sensors, 15 m length	

