Sensor Systems

NO\textsubscript{x} Sensor

The NO\textsubscript{x} sensor is a stand-alone multifunction sensor, which can be operated with the ALL-IN-ONE.GAS engine control unit or the new MOTORTECH NO\textsubscript{x} Monitoring EasyNO\textsubscript{x}. The sensor can be used to control various types of exhaust gas after-treatment and thus helps to comply with current and future emission regulations.

Features

- Supports compliance with applicable emission regulations
- Output signal: NO\textsubscript{x} or O\textsubscript{2} 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

- Multi-layer sensor based on ZrO\textsubscript{2} with integrated heating
- Output signal: NO\textsubscript{x} or O\textsubscript{2} concentration
- Power supply 24 V
- Data connection CAN Bus (SAE J1939)
- Self-diagnostics for wire break and short circuit in the connection sensor/electronics
- Maximum ambient temperature electronics: -40 °C to 115 °C (-40 °F to 239 °F)
- Exhaust gas temperature: -40 °C to 800 °C (-40 °F to 1472 °F)
- Measuring ranges NO\textsubscript{x}: 0 to 1500 ppm
- CE certificate

Ordering Information

<table>
<thead>
<tr>
<th>P/N</th>
<th>Description</th>
<th>Equivalent to</th>
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<tbody>
<tr>
<td>56.03.002</td>
<td>NO\textsubscript{x} Sensor (24 V)</td>
<td>60202039, SNS0156B</td>
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<tr>
<td>07.81.070</td>
<td>Welding boss</td>
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<tr>
<td>06.30.172-15</td>
<td>Cable harness for NO\textsubscript{x} sensor with 120 Ω resistance, length 15 m</td>
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