

## Exhaust gas temperature sensors

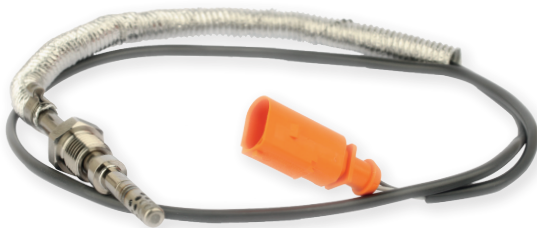
Exhaust gas temperature sensors are used in the exhaust gas and exhaust gas aftertreatment systems. They serve to protect other components from overheating and, in the case of diesel engines, they additionally monitor the necessary and required temperature for regeneration (free-burning process) of the diesel particulate filter (DPF).

### Typical symptoms in case of failure

- Vehicle goes into emergency mode
- Increased fuel consumption due to longer regeneration phases of the DPF
- Poor handling
- Reduction in power and acceleration
- Malfunction indicator light (MIL) turned on

### Possible causes of failures

- Aging and therefore insufficient response time and accuracy
- Cable break due to vibrations
- Fouling from exhaust gas
- Overheating due to errors in the exhaust system



Today, cars with both diesel and gasoline engines are equipped with exhaust gas temperature sensors. In Europe, this affects more than 50 million vehicles. Due to their protective and monitoring function, these sensors have thus become an indispensable component in modern vehicles. Over 150 million exhaust gas temperature sensors are installed in European vehicles alone.

### Hitachi products are characterized by:

- Fast response time
- Temperature resistance
- Robustness against vibrations
- High accuracy
- Working range: -40° C to 1000° C
- Continuous expansion of our product range in order to offer a wide car parc coverage



Installation videos and tips are available on our own [YouTube channel](#).

Please follow the manufacturer's instructions when replacing the spare part.