

Engine management

Crankshaft speed sensor



BOSCH
Invented for life

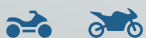


Product benefits

- ▶ Robust and compact design
- ▶ Large engine speed range
- ▶ High measurement accuracy
- ▶ High signal accuracy
- ▶ Large air gap range
- ▶ Contactless measurement
- ▶ Compatible with start-stop and hybrid applications

- 1 Mounting flange
- 2 Connector
- 3 Cable
- 4 Sensing unit

Vehicle segments



economical

Due to its **high accuracy**, the crankshaft speed sensor helps reduce emissions and fuel consumption.

Task The crankshaft speed sensor measures the speed, position and, optionally, the direction of rotation of the crankshaft. This data is used by engine management systems for controlling injection and/or ignition timing.

Function The sensor is a Hall or inductive sensor. The crankshaft is fitted with a target wheel that the sensor scans using a non-contact method. A missing element in the target wheel determines the reference point.

Technical characteristics

Technology	Hall or inductive
Temperature range	-40 °C to +150 °C
Operating principle	Hall or inductive
Air gap	< 1.8 mm
