Inductive Linear Sensor

Sensing of linear travel e.g. for damping systems and for cylinder movement

Applications

- linear travel up to 300 mm
- chassis damper-measuring linear position
- linear position of waste gate actuator (pneumatic cylinder)

Features and Benefits

- scalable sensor length
- high accuracy < 1%
- measurement through non-ferromagnetic metal environment
- ASIL ready
Inductive Linear Sensor

Short Description

The Sensor IC
- PCB based solution
- customer specific housing
- customer specific connector
  - integrated in sensor housing
  - linked via cable
- redundant signal if requested
- ASIL ready
- temperature range –40°C to 150°C
- low influence of the distance to the target

The Magnet
- raw material: ferrite / NdFeB
- customer specific connection on shaft

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