



FEEDBACK ACCELERATOR PEDAL SENSOR (FAPS)

Market growth in driver assistance systems and the increased demand for reduced fuel consumption and emissions has strengthened the need for a dynamic driver/accelerator pedal interface.

HELLAs Feedback Accelerator Pedal Sensor (FAPS) is used to actively communicate with the driver, supporting energy efficient driving habits. Examples for possible applications:

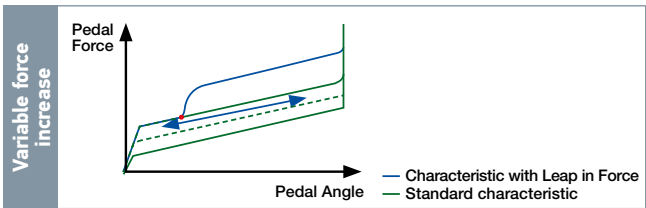
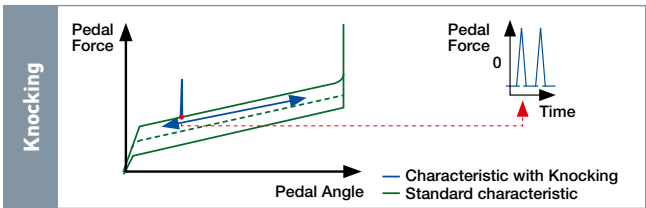
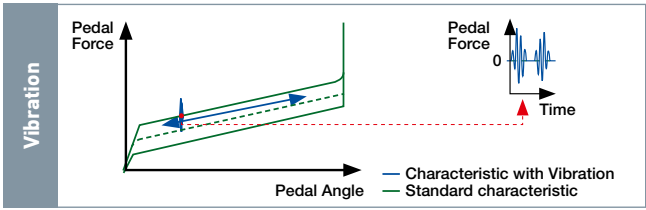
- Electronic technology in hybrid vehicles: Force increase of FAPS indicates the switch between combustion and electric engine
- Manual transmission: FAPS communicates the optimum shift point to the driver using a customer specific interface (knocking, vibration or force increase)

As a global supplier of electronic automotive products HELLA are technology market leaders in accelerator pedal sensors with world-wide production and development centers.

ADVANTAGES

- Compact and integrated design
- Cost attractive solution providing vibration or knocking
- Force step/peek applicable

The driver feedback provided by the FAPS is specified by the customer. This ranges from vibration and knocking to variable force resistance.



FEATURES

- Intuitive communication with the driver
- HELLA sensor technology CIPOS® (Contactless Inductive Position Sensor)
- Customized design and modular concept
 - Small packaging design
 - Design based on proven technologies
- Redundant signal is in proportion to the pedal position
- Force dependent hysteresis with redundant return force
- Analog and/or digital output signal
- Adaptable haptics

HELLA Electronics Corporation
43811 Plymouth Oaks Blvd.
Plymouth Twp., MI 48170
Tel: +734-414-0900
Fax: +734-414-0931
www.hellausa.com

